



20 March 1984

GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

US EPA RECORDS CENTER REGION 5



506850

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

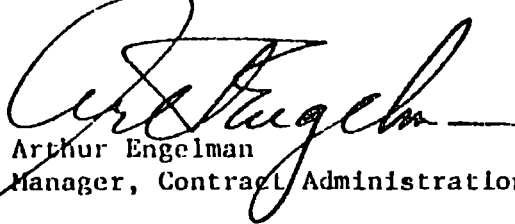
Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of February 1984.

Very truly yours,

  
Arthur Engelman  
Manager, Contract Administration

AE:cia

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

Mike Kosakowski (WH 527F)✓  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)\*

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1	6	8	0	2	3	1	6	8	9	78	-	(3)	12	M	M	D	D	Y	Y	18	D	TASK START DATE	07/06/82			
CONTRACT NUMBER										TO/TO NUMBER			REPORT PERIOD ENDING DATE										TASK COMPLETE DATE			10/31/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

13 (KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

01	Preparation of Draft Final Report continued
02	throughout the reporting period.
03	
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MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY-USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°F WILL APPEAR AS 3000F)
- (2) THE PLUS-MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 100)  
(4.200<sub>4</sub> WILL APPEAR AS 42004)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + = & \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY. IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE  
BY  
IERL/RTP  
EPA(RTP) 397

BRANCH CHIEF  
INITIALS: \_\_\_\_\_

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

## GCA TECHNOLOGY DIVISION

February 1984

Reporting period

EPA - RTP) 402

## COST PERFORMANCE REPORT - MANPOWER (PR 3)

GCA TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78(3)

February 1984

Location 213 Burlington Road, Bedford, Ma 01730

Contract No

Task/TD No

Reporting period

(1) Reporting category <sup>a</sup>		Actual current period  2/84	Actual end of current period (CIJM)	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month	month	month	month	month	month						
No	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	14	2,068												2,068
	Total	14	2,068												2,068

<sup>a</sup> To be specified by IERL/RTP project officer e.g., WBS element, task or TD, functional areas

FEBRUARY

5.0 DISCUSSION OF TECHNICAL PROGRESS

a) Technical Objectives for this Reporting Period

Draft Final Report preparation.

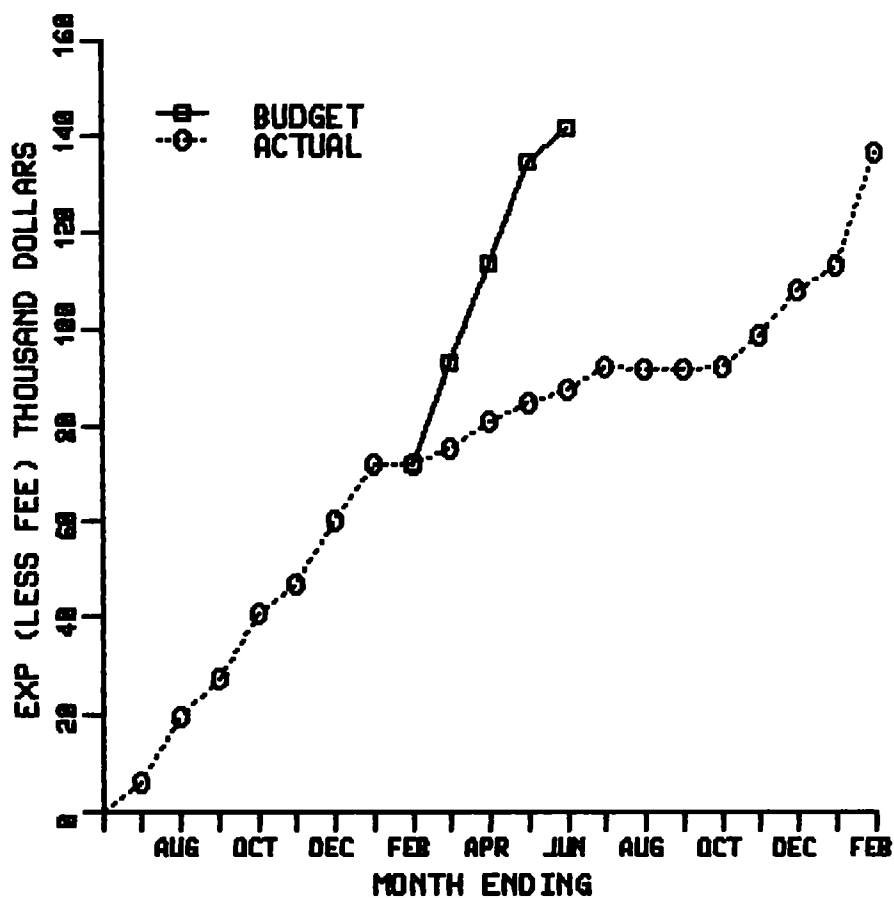
b) Work Accomplished/Results Achieved

Preparation of Draft Final Report continued during this reporting period.

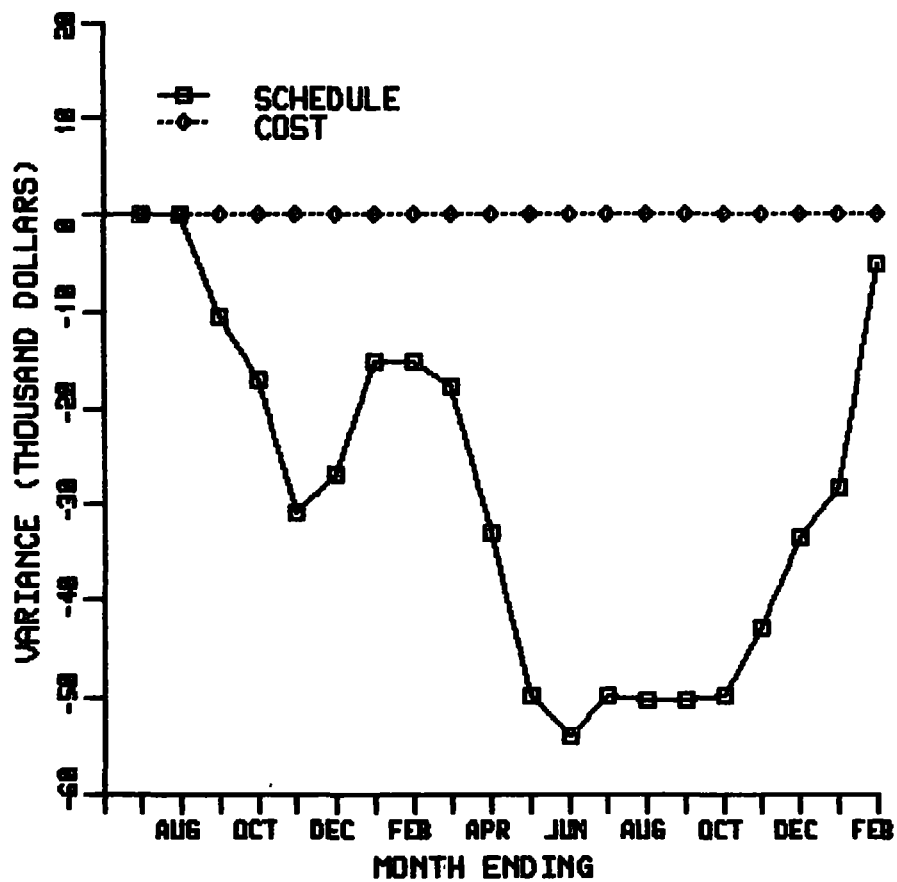
c) Objectives for Next Reporting Period

A Draft Final Report is scheduled to be delivered during the next reporting period.

CUMULATIVE PERFORMANCE  
 CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
 REVISED 16 MAR 83 TEC \$141531 TMH 1950



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83





GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

February 17, 1984

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

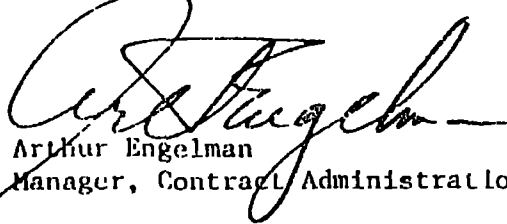
Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3166, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of January 1984.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:ela

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

Mike Kosakowski (WH 527F) ✓  
(w/1 copy)

Paul Bitter  
(w/2 copies)



# MONTHLY TASK REPORT (TR-1)\*

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder

TITLE Sr. Staff Scientist PHONE 275-5444

ADDRESS 213 Burlington Road

Bedford, MA

ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas Hopper

TITLE Mgr., Env. Eng. Dept. PHONE 275-5444

ADDRESS 213 Burlington Road

Bedford, MA

ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1	6	8	0	2	3	1	6	8	9	78	-	(3)	12	M	M	D	D	Y	Y	16	D	TASK START DATE	07/06/82		
CONTRACT NUMBER										TO/TO NUMBER			REPORT PERIOD ENDING DATE						TASK COMPLETE DATE						10/31/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

18 (KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

01	Preparation of Draft Final Report continued
02	throughout the reporting period.
03	
04	
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MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

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( $^{\circ}$  WILL APPEAR AS 2000P 1)
- (2) THE PLUS-MINUS SIGN  
( $\pm$  WILL APPEAR AS -)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
( $10^4$  WILL APPEAR AS 100)  
( $H_2SO_4$  WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:

> < % + = \* / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE  
BY  
IERL/RTP

BRANCH CHIEF  
INITIALS: \_\_\_\_\_

EPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Estimated contract cost <u>\$141,531</u>		Arthur Engelman Manager, Contract Administration	
Contractor name <u>GCA CORPORATION</u>		(excluding fee)		Contractor project manager name <u>Arthur Engelman</u>	
EPA project officer <u>M. Kosakowski</u>				Date <u>2/6/84</u>	
		M M D D Y Y		Signature <u>Arthur Engelman</u>	
1	6 8 0 2 3 1 6 8	9	0 7 8	12	0 1 2 9 8 4
CONTRACT NUMBER		TASK/TD NO.		End of reporting period	
				18	C 13

Performance data <sup>a</sup>									
(1) - Work breakdown structure		Cumulative cost to date (\$1000's)				Cost at completion (\$1000's)			
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest revised estimate	(9) Variance
	WA No. 78	141.5	113.2	113.2	(28.3)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 4 1 . 5	0 0 1 1 3 . 2	0 0 1 1 3 . 2	0 0 2 8 . 3	0 0 0 0 0 . 0	0 0 0 1 4 1 . 5	0 0 0 1 4 1 . 5	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

## COST PERFORMANCE REPORT - MANPOWER (PR 3)

GCA, TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78 (3)

January 1984

Location 213 Burlington Road, Bedford, MA 01730

**Contract No**

Task/TD No

Reporting per cc

[illegible]

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas

JANUARY

5.0 DISCUSSION OF TECHNICAL PROGRESS

a) Technical Objectives for this Reporting Period

Finalized drilling logs and Draft Final Report preparation.

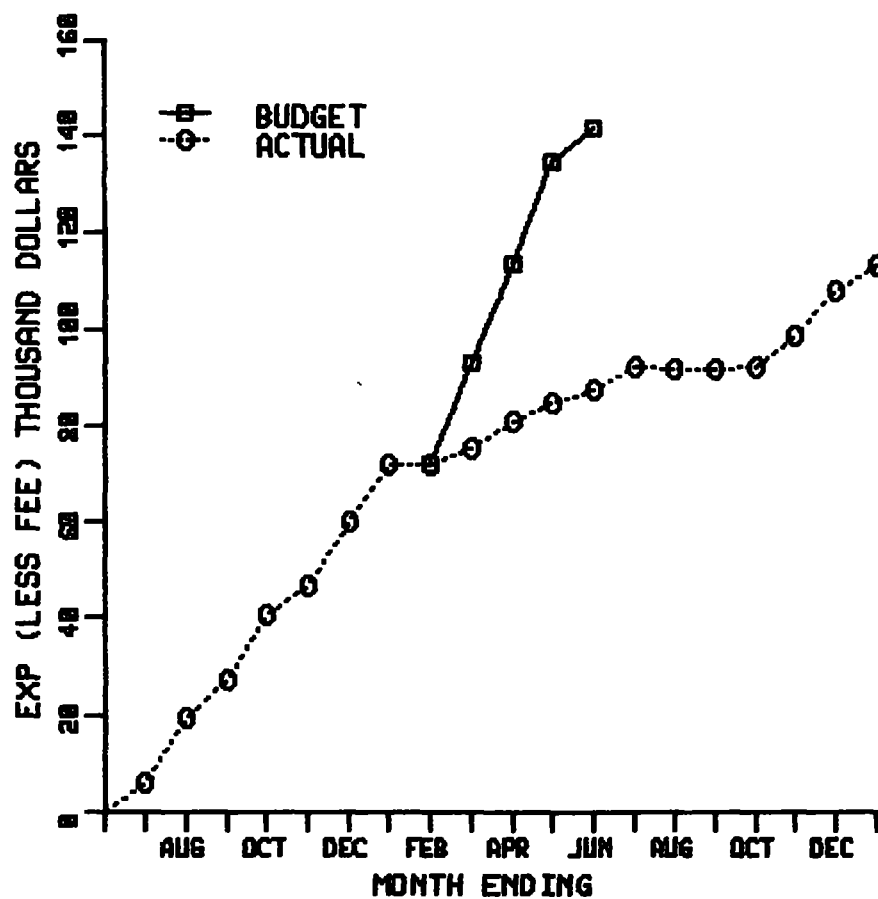
b) Work Accomplished/Results Achieved

After receipt of Final Report by drilling subcontractor, the geologic logs for the boreholes and well installation details were finalized. Preparation of Draft Final Report continued during this reporting period.

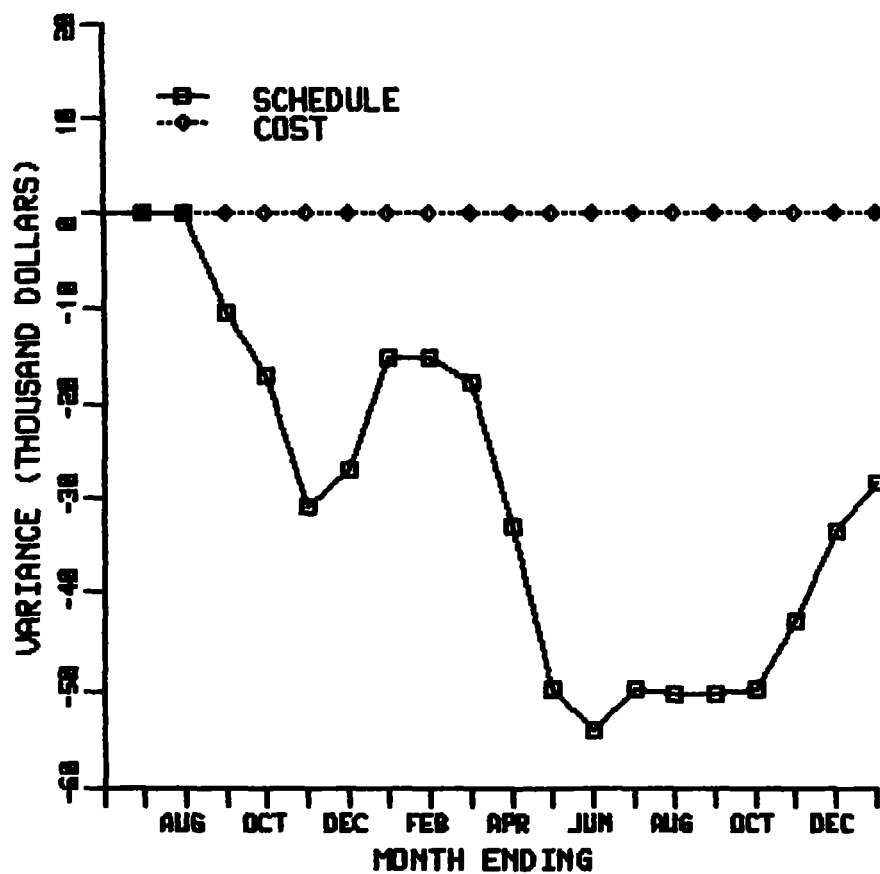
c) Objectives for Next Reporting Period

A Draft Final Report is scheduled to be delivered during the next reporting period.

CUMULATIVE PERFORMANCE  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83 TEC \$141531 TMH 1950



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83



# MONTHLY TASK REPORT (TR-1)\*

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

*Mike - 2*  
*Copies*

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1	6	8	0	2	3	1	6	8	9	7	8	-	(3)	12	M	M	D	D	Y	Y	18	D	TASK START DATE	07/06/82
CONTRACT NUMBER										TO/TO NUMBER				REPORT PERIOD ENDING DATE						TASK COMPLETE DATE		10/31/83		

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

13 (KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

01	Drilling resumed November 7 and continued
02	throughout the reporting period.
03	
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MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY-USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
[300°F WILL APPEAR AS 300F ]
- (2) THE PLUS-MINUS SIGN  
[ ± WILL APPEAR AS + ]
- (3) GREEK SYMBOLS  
[KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED]
- (4) SCIENTIFIC NOTATION  
[10<sup>6</sup> WILL APPEAR AS 100]  
[H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2SO4]

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + = \$ \* \$ / @ # &

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THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE  
BY  
IERL/RTP  
EPA(RTP) 397

BRANCH CHIEF  
INITIALS: \_\_\_\_\_

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION Contractor name <u>GCA CORPORATION</u>		Estimated contract cost <u>\$141,531</u> <i>excluding fee</i>	Arthur Engelman Manager, Contract Administration Contractor project manager name <u>Arthur Engelman</u> Date <u>12/2/83</u>
EPA project officer <u>M. Kosakowski</u>		Signature <u>Arthur Engelman</u>	

CONTRACT NUMBER 6 8 0 2 3 1 6 8	TASK TD NO 9 0 7 8	End of reporting period M M D D Y Y 12 1 1 2 7 8 3	C 13
------------------------------------	-----------------------	--	------

Performance data <sup>a</sup>									
(1) Work breakdown structure		Cumulative cost to date (\$1000's)					Cost at completion (\$1000's)		
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest revised estimate	9 Variance
	WA No. 78	141.5	98.7	98.7	(42.8)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 4 1 . 5	0 0 0 9 8 . 7	0 0 0 9 8 . 7	0 0 4 2 . 8	0 0 0 0 . 0	0 0 0 1 4 1 . 5	0 0 0 1 4 1 . 5	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee



## COST PERFORMANCE REPORT – MANPOWER (PR-3)

**GCA/TECHNOLOGY DIVISION**

Contractor name GCA CORPORATION

69-02-3168

78(3)

November 1983

Location 213 Burlington Road, Bedford, MA 01730

**Contract No**

Task/TD No

Reporting period

[illegible]

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.

NOVEMBER

## 5.0 DISCUSSION OF TECHNICAL PROGRESS

### a) Technical Objectives for this Reporting Period

Drilling boreholes and installation of monitoring wells at selected sites. Soil samples will be collected and shipped to GCA laboratory for analysis.

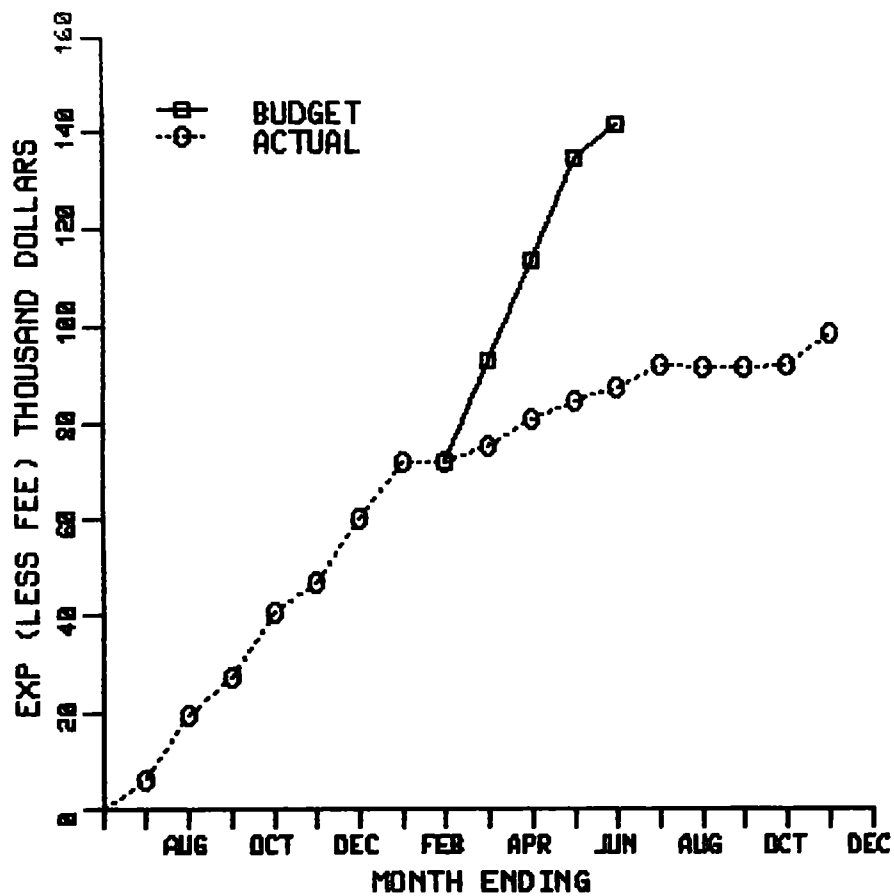
### b) Work Accomplished/Results Achieved

Seven boreholes were drilled to bedrock reaching depths of 53' to 70'. Monitoring wells were installed at two selected sites. A total of fifty-four (54) soil samples were delivered to the GCA laboratory for analysis.

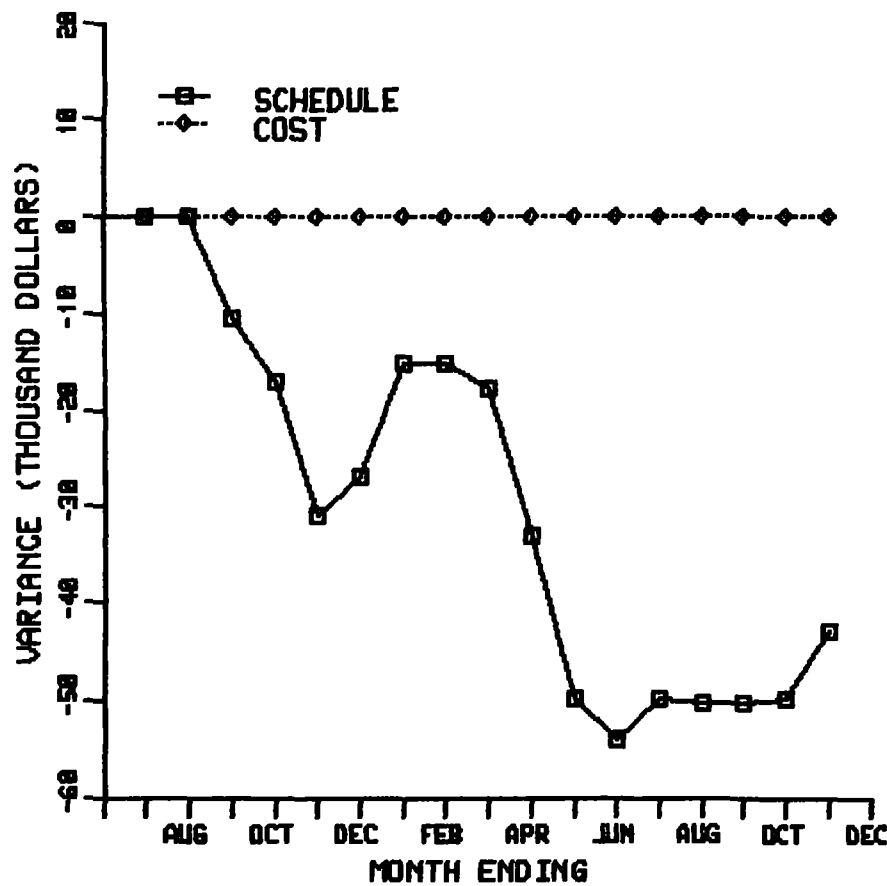
### c) Objectives for Next Reporting Period

Drilling is planned to continue throughout the next reporting period.

CUMULATIVE PERFORMANCE  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83 TEC \$141531 TMH 1950



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83





**GCA CORPORATION  
Technology Division**

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

23 November 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of October 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:e a

Enclosures (3)

cc: W. L. Caviness  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

Mike Kosakowski (WH 527F) ✓  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (IR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730  
EPA TASK OFFICER Julie Klaas  
(FOR THIS TO/TO)

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730  
EPA PROJECT OFFICER Ms. Alice C. Gagnon  
(FOR OVERALL CONTRACT)

CONTRACT NUMBER 68023168 TO/TO NUMBER 78 - (3) REPORT PERIOD ENDING DATE 103183 TASK START DATE 07/06/82 TASK COMPLETE DATE 10/31/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

- 01 Plans for drilling were negotiated with Braun.
- 02 Preparations are underway to resume the drilling
- 03 operation.
- 04 Drilling is planned to resume November 7 and will
- 05 continue throughout the next reporting period.
- 06
- 07
- 08
- 09
- 10
- 11

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

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- (1) THE DEGREE SYMBOL  
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(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 106)  
(H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
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FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS: \_\_\_\_\_  
EPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Arthur Engelman Manager Contract Administration	
Contractor name <u>GCA CORPORATION</u>		Estimated contract cost <u>\$141,531</u> excluding fee	
EPA project officer <u>M. Kosakowski</u>		Contractor project manager name <u>Arthur Engelman</u> Signature	
		Date <u>11/8/83</u>	

6 8 0 2 3 1 6 8 CONTRACT NUMBER	9 0 7 8 TASK ID NO	12 1 0 3 0 8 0 End of reporting period	18 C 13
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Performance data <sup>a</sup>									
(1) Work breakdown structure		Cumulative cost to date (\$1000's)				Cost at completion (\$1000's)			
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest rev sed estimate	9, Variance
	WA No. 78	141.5	91.8	91.8	(49.7)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 4 1 . 5	0 0 0 9 1 . 8	0 0 0 9 1 . 8	0 0 4 9 . 7	0 0 0 0 . 0	0 0 1 4 1 . 5	0 0 1 4 1 . 5	0 0 0 0 . 0

<sup>a</sup>All costs are exclusive of fee

# COST PERFORMANCE REPORT - MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78 (3)

October 1983

Location 213 Burlington Road, Bedford, MA 01730

Contract No

Task/TD No.

Reporting period

(1) Reporting category <sup>a</sup>		Actual current period  10/83	Actual end of current period (CIJM)	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month	month	month	month	month	month						
No.	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	20	1,506	222	222										1,950
	Total	20	1,506	222	222										1,950

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.



## OCTOBER

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### a) Technical Objectives for this Reporting Period

Discuss and plan for drilling operations with the EPA and Braun Engineering before the actual drilling is to take place.

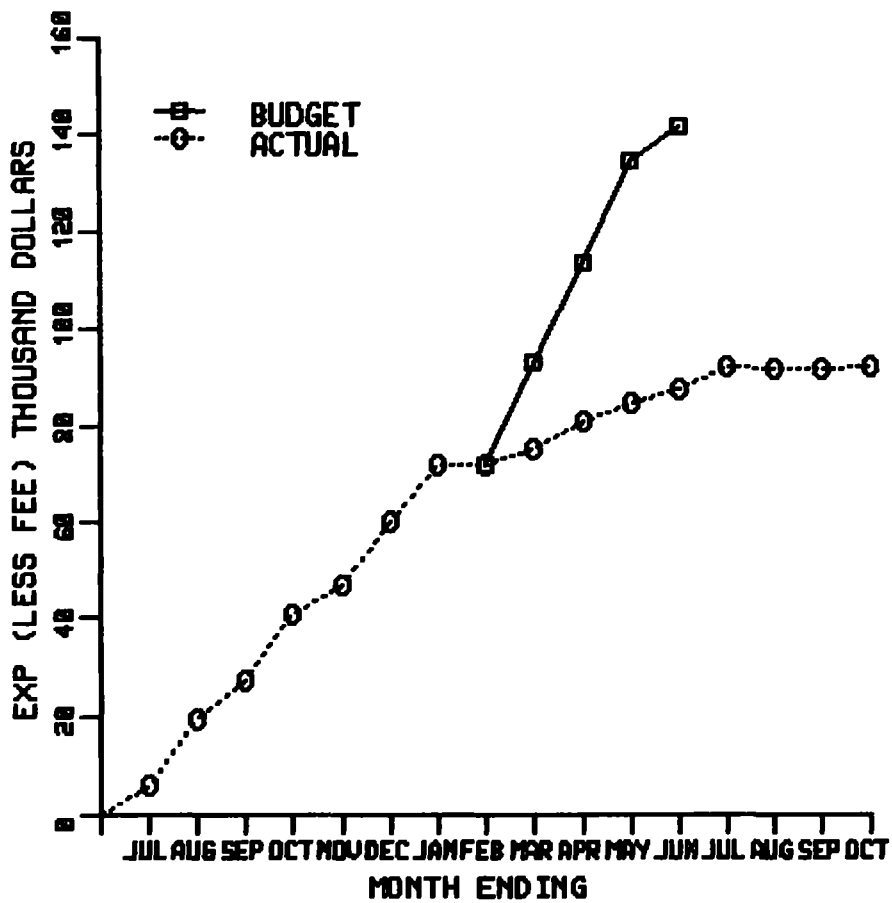
#### b) Work Accomplished/Results Achieved

Plans for drilling were negotiated with Braun Engineering. Preparations are underway to resume with the next phase of drilling.

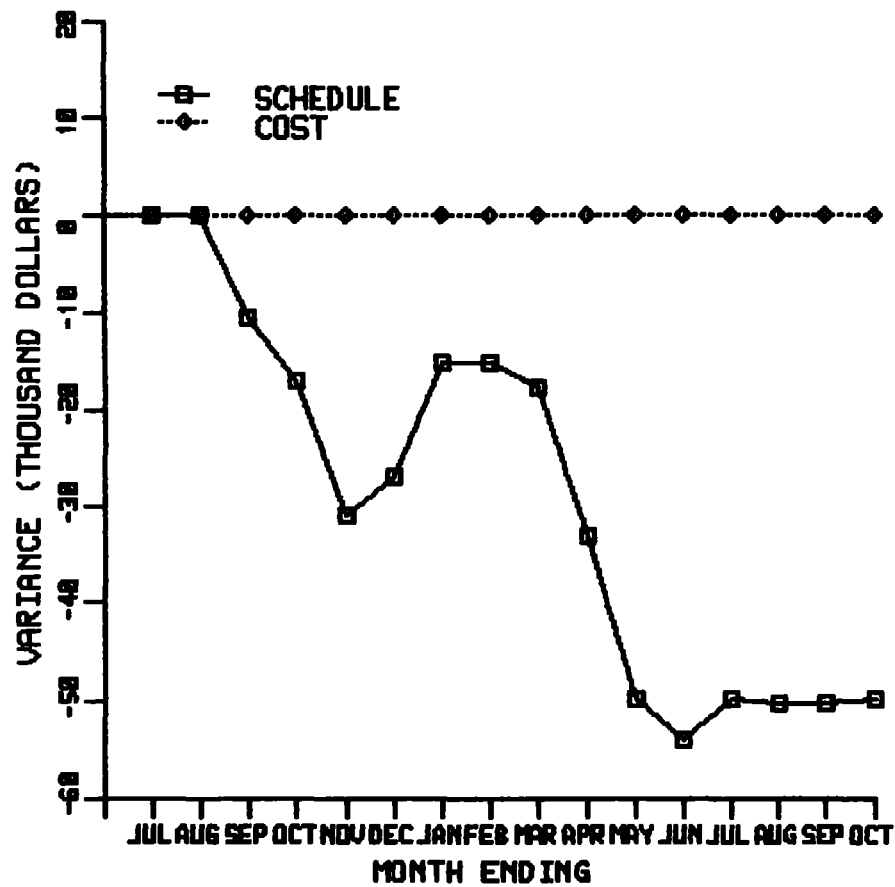
#### c) Objectives for Next Reporting Period

Drilling is planned to resume on November 7 and will continue throughout the next reporting period.

CUMULATIVE PERFORMANCE  
 CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
 REVISED 16 MAR 83 TEC \$141531 TMH 1950



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83



File



GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

3 November 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

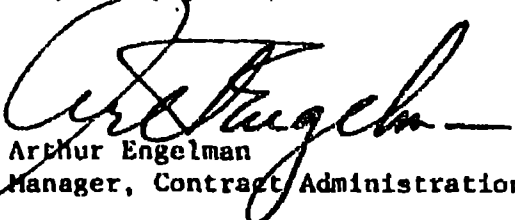
Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of September 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:cia

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER Julie Klaas  
(FOR THIS TO/TO)

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER Ms. Alice C. Gagnon  
(FOR OVERALL CONTRACT)

6 8 0 2 3 1 6 8 78 - (3) 0 9 3 0 8 3 D TASK START DATE 07/06/82  
CONTRACT NUMBER TO/TO NUMBER REPORT PERIOD ENDING DATE TASK COMPLETE DATE 10/31/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

01 No work was accomplished during September.  
02 Work under this task will resume in October.  
03  
04  
05  
06  
07  
08  
09  
10



### A NOTE TO THE AUTHOR:

MANY COMMONLY-USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°F WILL APPEAR AS 3000F)
- (2) THE PLUS-MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 100)  
(H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + = \$ \* \$ / @ # &

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS: \_\_\_\_\_  
EPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

GCA/TECHNOLOGY DIVISION  
 Contractor name GCA CORPORATION Estimated contract cost \$141,531  
 excluding fee  
 EPA project officer M. Kosakowski  
 Arthur Engelman  
 Manager, Contract Administration  
 Contractor project manager name Arthur Engelman  
 Signature Arthur Engelman Date 10/15/83  

6	8	0	2	3	1	6	8	9	0	7	8	12	1	0	0	2	8	3	18	C	13
CONTRACT NUMBER								TASK ID NO				End of reporting period									

(1) Work breakdown structure					(4) Cumulative cost to date (\$1000's)			(8) Cost at completion (\$1000's)		
		(2) Budgeted cost-		(3) Actual costs of work performed (ACWP)	(6) Variance			(8) Latest rev sed estimate	(9) Variance	
No	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted			
	WA No. 78	141.5	91.3	91.3	(50.2)	0	141.5	141.5	0	
	General and Administrative	0	0	0	0	0	0	0	0	
	Management reserve						0		0	
9 9 9 9 9	Total (excluding fee)	0 0 1 4 1 . 5	0 0 0 9 1 . 3	0 0 0 9 1 . 3	0 0 5 0 . 2	0 0 0 0 . 0	0 0 0 1 4 1 . 5	0 0 0 1 4 1 . 5	0 0 0 0 . 0	
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79								

<sup>a</sup>All costs are exclusive of tax

# COST PERFORMANCE REPORT - MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78 (3)

September 1983

Location 213 Burlington Road, Bedford, MA 01730

Contract No

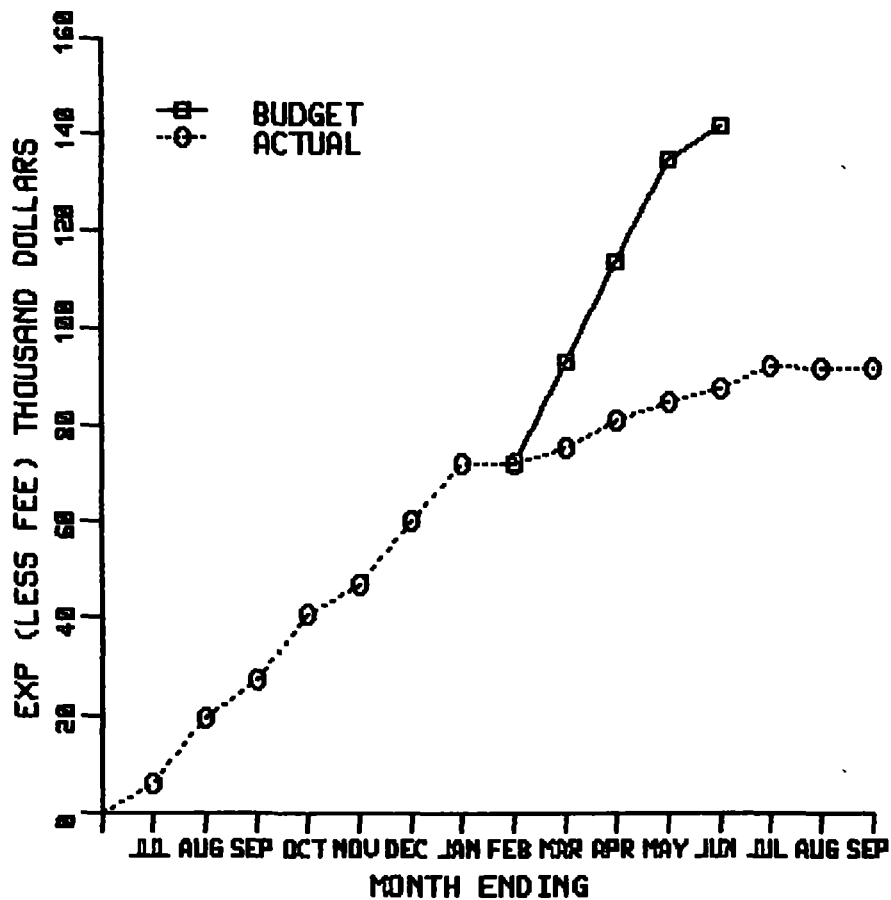
Task/TD No.

Reporting period

(1) Reporting category <sup>a</sup>		Actual current period  9/83	Actual end of current period (CIJM)  10/83	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month	month	month	month	month	month						
No.	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	-	1486	464											1,950
	Total	-	1486	464											1,950

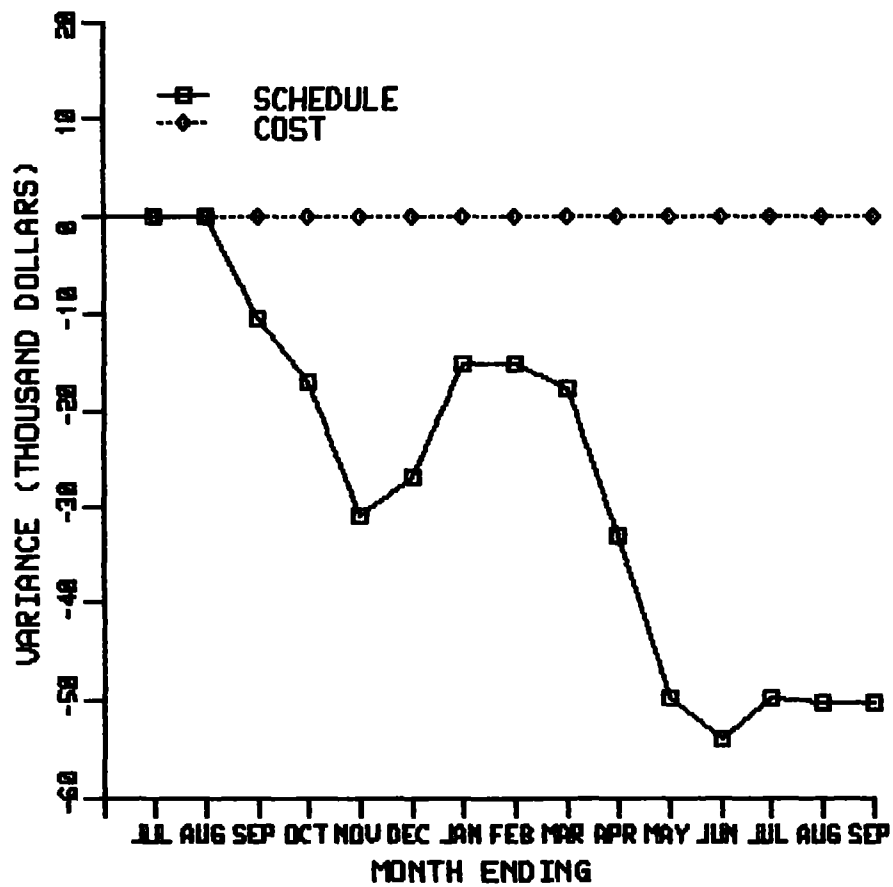
<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.

CUMULATIVE PERFORMANCE  
 CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
 REVISED 16 MAR 83 TEC \$141531 TMH 1950





PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83



## SEPTEMBER

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

a) Technical Objectives for this Reporting Period

No technical objectives were planned for September.

b) Work Accomplished/Results Achieved

No work was accomplished during September.

c) Objectives for Next Reporting Period

Work will resume during October. Drilling operations are expected to be discussed with the EPA and Braum Engineering before actual drilling takes place. An amendment to the drilling subcontract will also be prepared.

## SEPTEMBER

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

a) Technical Objectives for this Reporting Period

No technical objectives were planned for September.

b) Work Accomplished/Results Achieved

No work was accomplished during September.

c) Objectives for Next Reporting Period

Work will resume during October. Drilling operations are expected to be discussed with the EPA and Braum Engineering before actual drilling takes place. An amendment to the drilling subcontract will also be prepared.



**GCA CORPORATION  
Technology Division**

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

3 September 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of July 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:ela

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

J Mike Kosakowski (WH 527F)  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

CONTRACT NUMBER 6 8 0 2 3 1 6 8 TO/TO NUMBER 78 - (3) REPORT PERIOD ENDING DATE 0 7 3 1 8 3 TASK START DATE 07/06/82 TASK COMPLETE DATE 10/31/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

01 A project review meeting with DOJ was held at  
02 Minnesota Pollution Control Agency offices.  
03 Work under this task will resume in September  
04 or October.  
05  
06  
07  
08  
09  
10  
11  
12

MATERIAL WHICH RUNS OVER THE 12 LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°F WILL APPEAR AS 300F)
- (2) THE PLUS OR MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 100)  
(H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED  
> < % + - \* / ° # &

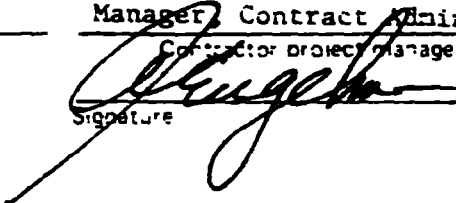
THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS \_\_\_\_\_

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT.
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION.
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT

YES ☐ NO ☐  
YES ☐ NO ☐  
YES ☐ NO ☐

# COST SCHEDULE STATUS REPORT (PR 2)

GCA / TECHNOLOGY DIVISION		Arthur Engelman	
Contractor name <u>GCA CORPORATION</u>		Manager Contract Administration	
EPA project officer <u>M. Kosakowski</u>		Contractor project manager name <u>                    </u>	
Estimated contract cost <u>\$141,531</u>		Date <u>8/10/83</u>	
Signature 		Date	

6 8 0 2 3 1 6 8	3 0 7 8	12 0 7 3 1 8 3	18 C13
CONTRACT NUMBER	TASK ID NO	End of reporting period	

Work breakdown structure		Performance data <sup>a</sup>				Cost at completion (\$1000's)			
		Cumulative cost to date (\$1000's)			Variance				
		Budgeted costs	Actual costs						
(1) No	(2) Name	(3) Work Scheduled (BCWS)	(4) Work performed (BCWP)	(5) Actual costs of work performed (ACWP)	(6) Schedule	(7) Cost	(8) Budgeted	(9) Latest revised estimate	(10) Variance
	WA No. 78	141.5	91.8	91.8	(49.7)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 4 1 . 5	0 0 0 9 1 . 8	0 0 0 9 1 . 8	0 0 4 9 . 7	0 0 0 0 . 0	0 0 0 1 4 1 . 5	0 0 0 1 4 1 . 5	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

## COST PERFORMANCE REPORT - MANPOWER (PR-3)

**GCA/TECHNOLOGY DIVISION**

Contractor name GCA CORPORATION

68-02-3168

78 (3)

July 1983

Location 213 Burlington Road, Bedford, MA 01730

**Contract No**

**Task:TD No**

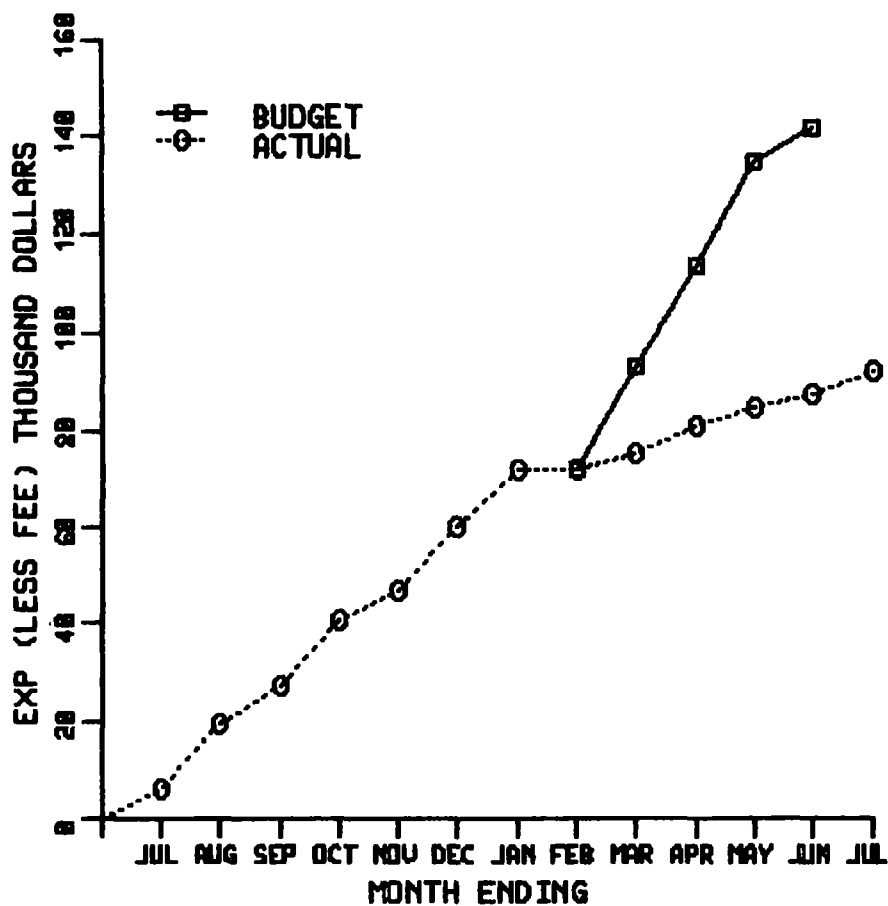
Reporting period

[illegible]

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas

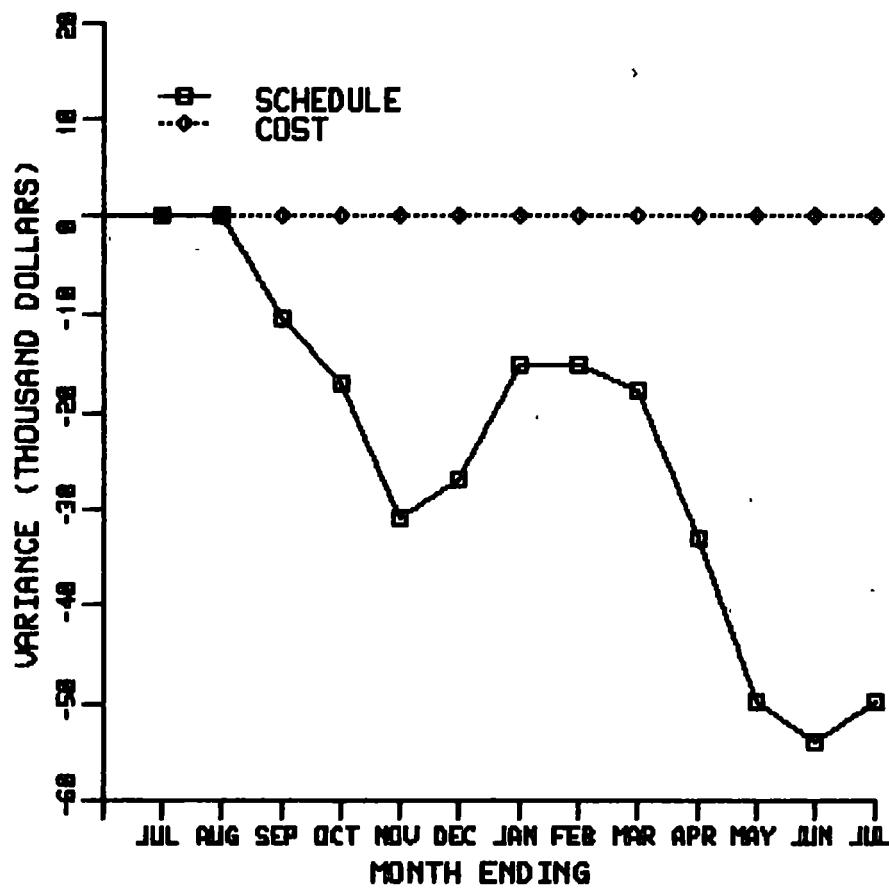
EPA (RTP) 402

CUMULATIVE PERFORMANCE  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83 TEC \$141531 TMH 1950





PERFORMANCE TRENDS  
CONTRACT 68 02 3168 WA 78 (3) GCA 1619078  
REVISED 16 MAR 83



## JULY

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

A project review meeting was to be held with DOJ in July.

#### (b) Work Accomplished/Results Achieved

The project review meeting was held with DOJ on July 11, 1983 at the Minnesota Pollution Control Agency offices in Roseville, Minnesota. EPA determined that efforts under this task would resume in September or October when standardized geologic logs have been compiled and cross-sections drawn. The work plan will be revised at that time.

#### (c) Objectives for the Next Reporting Period

No activities are planned for the next reporting period.

#### (d) Problems

Task revisions in support of enforcement objectives still need to be finalized before work can resume.



GCA CORPORATION  
**Technology Division**

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

29 July 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

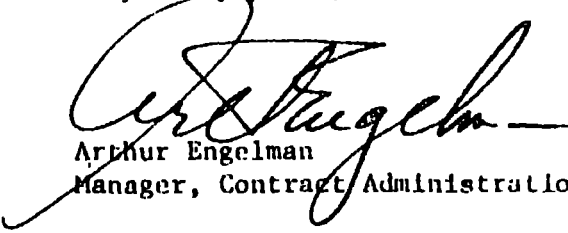
Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of June 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:eia

Enclosures (3)

cc: Malcolm Huneycutt  
(w/l copy)

Alice Gagnon  
(w/l copy)

✓ Mike Kosakowski (WH 527F)  
(w/l copy)

Paul Ritter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1		2		3		4		5		6		7		8		9		10		11		12			
6	8	0	2	3	1	6	8	7	8	-	(3)	0	6	3	0	8	3	D	TASK START DATE <u>07/06/82</u>					TASK COMPLETE DATE <u>06/30/83</u>	
CONTRACT NUMBER								TO/TO NUMBER				REPORT PERIOD ENDING DATE													

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

01	Recommendations for task revisions were
02	developed for organization meeting to be held
03	with D.O.J. in early July. The work scope will
04	be changed prior to commencing work on this task
05	again.
06	
07	
08	
09	
10	
11	
12	

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

- MANY COMMONLY USED SCIENTIFIC SYMBOLS ARE NOT AVAILABLE TO THE KEYPUNCHER, SO PLEASE AVOID USING THE FOLLOWING
- (1) THE DEGREE SYMBOL  
[300°F WILL APPEAR AS 3000F]
  - (2) THE PLUS OR MINUS SIGN  
[± WILL APPEAR AS +]
  - (3) GREEK SYMBOLS  
[KEYPUNCHER WILL LEAVE BLANKS WHEN GREEK SYMBOLS ARE ENCOUNTERED]
  - (4) SCIENTIFIC NOTATION  
[10<sup>6</sup> WILL APPEAR AS 100]  
[H<sub>2</sub>O<sub>2</sub> WILL APPEAR AS H2504]

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED  
> < % + - = & \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE  
BY  
IERL/RTP  
EPA(RTP) 397

BRANCH CHIEF  
INITIALS. \_\_\_\_\_

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

Estimated contract cost \$141,531  
excluding fee:

Arthur Engelman

Manager Contract Administration

ESA project officer M. Kosakowski

Contractor project manager name title

Signature Arthur Engelman Date 7/15/83

N M D D Y Y

6 8 0 2 3 1 6 8

CONTRACT NUMBER

9 0 7 8

TASK TD NO

12

0 7 0 3 8 3

End of reporting period

18

C 13

## Performance data<sup>a</sup>

(1)

Work breakdown structure

Cumulative cost to date (\$1000's)

Cost at completion (\$1000's)

Budgeted costs

(4)  
Actual costs  
of  
work performed  
(ACWP)

Variance

No.

Name

(2)  
Work Scheduled  
(BCWS)

(3)  
Work performed  
(BCWP)

(5)  
Schedule

(6)  
Cost

(7)  
Budgeted

(8)  
Latest  
revised  
estimate

(9)  
Variance

WA No. 78

141.5

87.5

87.5

(54.0)

0

141.5

141.5

0

General and Administrative

0

0

0

0

0

0

0

0

Management reserve

0

0

9 9 9 9 9

Total  
(excluding fee)

0 0 1 4 1 5 0 0 0 8 7 5 0 0 0 8 7 5 0 0 5 4 0 0 0 0 0 0 0 0 0 1 4 1 5 0 0 1 4 1 5 0 0 0 0 0 0

22 23 24 25 26

27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79

<sup>a</sup>All costs are exclusive of fee

# COST PERFORMANCE REPORT – MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name: GCA CORPORATION

68-02-3168

78 (3)

June 1983

Location: 213 Burlington Road, Bedford, MA 01730

Contract No.

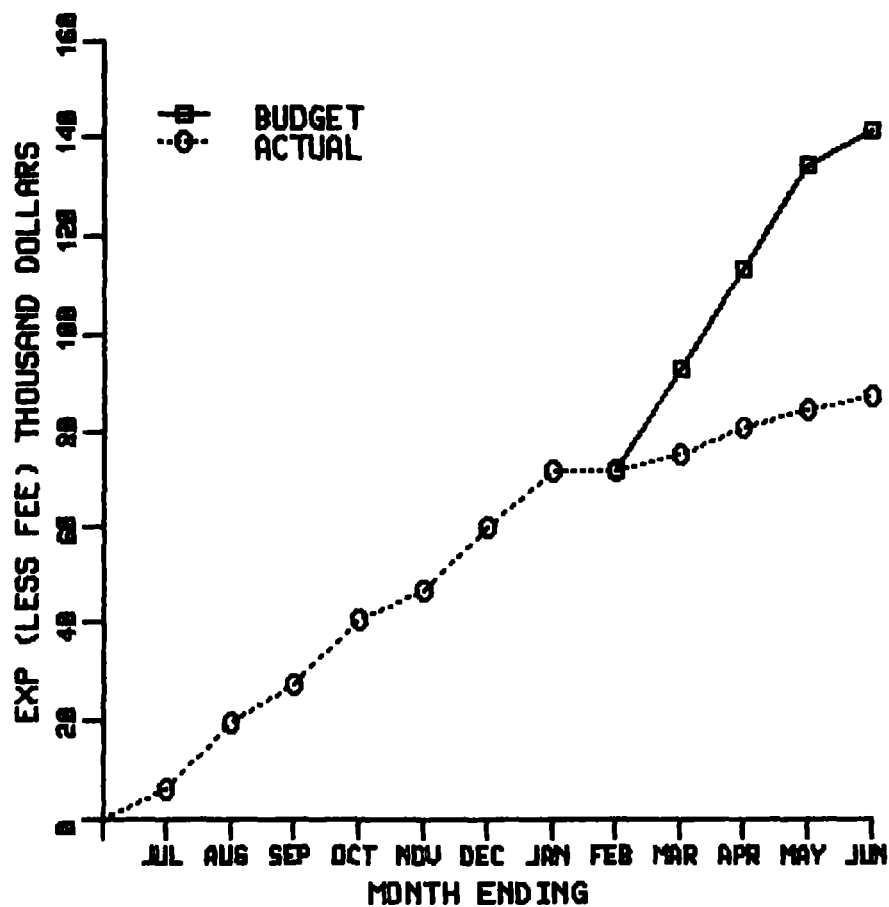
Task/TD No.

Reporting period

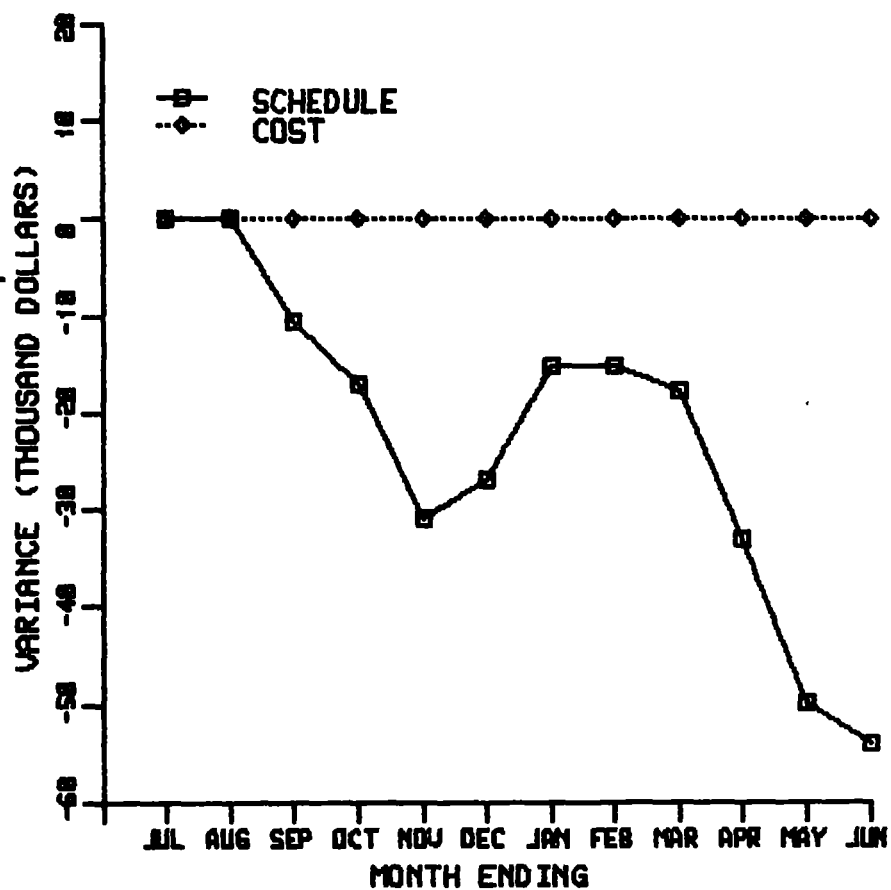
(1) Reporting category <sup>a</sup>	Actual current period  6/83	Actual end of current period (CIJM)  7/83	Forecast (non-cumulative)												Forecast at completion
			Six-month forecast by month						Enter specified periods						
			month 7/83	month 8/83	month	month	month	month							
No.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
WA No. 78	67	1406	272	272										1,950	
Total	67	1406	272	272										1,950	

<sup>a</sup> To be specified by IERL/RTP project officer; e.g., WBS element, task or TD, functional areas.

CUMULATIVE PERFORMANCE  
CONTRACT 68 02 3168 TSA 3(78) GCA 1619078  
REVISED 16 MAR 83 TEC \$141531 TMH 1950



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 TSA 3(78) GCA 1619078  
REVISED 16 MAR. 83





JUNE

5.0 DISCUSSION OF TECHNICAL PROGRESS

(a) Technical Objectives for This Reporting Period

Recommendations for task revisions were to be developed for organization meeting to be held with D.O.J. in early July.

(b) Work Accomplished/Results Achieved

Recommendations for task revisions were developed for organization meeting to be held with D.O.J. in early July.

(c) Objectives for the Next Reporting Period

GCA will attend the organization meeting to be held with D.O.J. in early July. GCA will present recommendations for task revisions. It is anticipated that work on this task will resume shortly after the July meeting.

(d) Problems

Task revisions in support of enforcement objectives still need to be finalized before work can resume.



**GCA CORPORATION  
Technology Division**

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

28 June 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of May 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:ela

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1 6 8 0 2 3 1 6 8 78 - (3) 12 M M D D Y Y 18 0 5 3 1 8 3 D  
CONTRACT NUMBER TO/TO NUMBER REPORT PERIOD ENDING DATE TASK START DATE 07/06/82  
TASK COMPLETE DATE 06/30/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

## PROGRESS DESCRIPTION ABSTRACT:

10 (KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

- 01 A Status Report of field and laboratory results
- 02 was prepared and sent to the EPA Project Officer.
- 03 The task completion date is to be extended and
- 04 the work scope will be changed prior to commencing
- 05 work on this task again.
- 06
- 07
- 08
- 09
- 10
- 11
- 12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

## A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
( $^{\circ}$  WILL APPEAR AS 000F)
- (2) THE PLUS OR MINUS SIGN  
( $\pm$  WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
( $10^6$  WILL APPEAR AS 100)  
( $H_2SO_4$  WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED  
> < % + - = \$ \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY. IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS  
EPA(RTP) 307

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

Estimated contract cost \$141,531

excluding fee

Arthur Engelman

Manager, Contract Administration

EPA project officer M. Kosakowski

Contractor project manager name                     

Signature 

6/15/83

Date

N M D D Y Y

6 8 0 2 3 1 6 8

CONTRACT NUMBER

0 7 8

TASK ID NO

12 0 5 2 9 8 3

End of reporting period

18 C 13

## Performance data<sup>a</sup>

11

Work breakdown structure

Cumulative cost to date (\$1000's)

Cost at completion (\$1000's)

Budgeted costs

Actual costs

Variance

No.	Name	Budgeted costs		Actual costs of work performed (ACWP)	Variance		(7) Budgeted	(8) Latest revised estimate	9) Variance
		(12) Work Scheduled (BCWS)	(13) Work performed (BCWP)		(15) Schedule	(16) Cost			
	WA No. 78	134.5	84.6	84.6	(49.9)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 3 4 . 5 0 0 0 8 4 . 6 0 0 0 8 4 . 6 0 0 4 9 . 9 0 0 0 0 . 0 0 0 1 4 1 . 5 0 0 1 4 1 . 5 0 0 0 0 . 0							
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

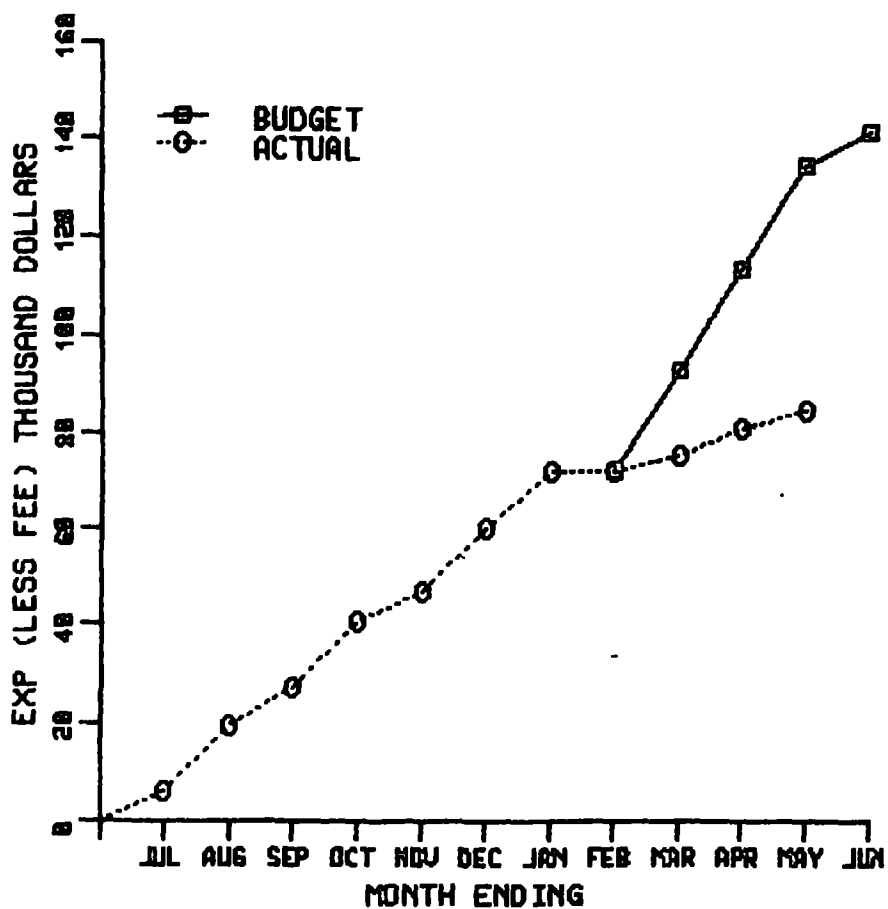
# COST PERFORMANCE REPORT - MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION  
 Contractor name GCA CORPORATION  
 Location 213 Burlington Road, Bedford, MA 01730  
 Contract No. 68-02-3168 Task/TD No. 78 (3) Reporting period May 1983

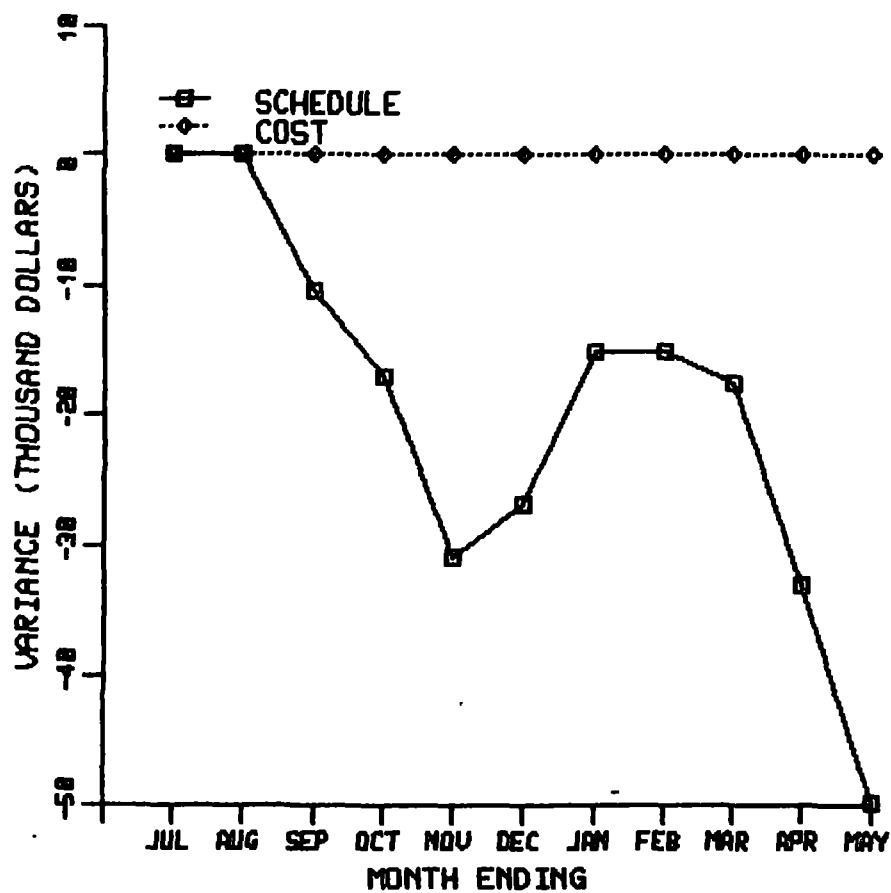
(1) Reporting category <sup>a</sup>	Actual current period  5/83	Actual end of current period (CIJM)  6/83	Forecast (non-cumulative)												Forecast at completion
			Six-month forecast by month						Enter specified periods						
			month 6/83	month 7/83	month	month	month	month							
No.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
WA No. 78	64	1339	311	300										1,950	
Total	64	1339	311	300										1,950	

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.

CUMULATIVE PERFORMANCE  
CONTRACT 68 02 3168 TSA 3(78) GCA 1619078  
REVISED 16 MAR 83



PERFORMANCE TRENDS  
CONTRACT 68 02 3168 TSA 3(78) GCA 1619078  
REVISED 16 MAR 83



MAY

## 5.0 DISCUSSION OF TECHNICAL PROGRESS

### (a) Technical Objectives for This Reporting Period

A status report with current available deliverables in draft final form was to be prepared.

### (b) Work Accomplished/Results Achieved

A status report with current available deliverables in draft final form was prepared and transmitted to the EPA Project Officer, USGS and D.O.J.

### (c) Objectives for the Next Reporting Period

The task completion date will be extended to December 31, 1983. Recommendations for task revisions will be developed for organization meeting to be held with D.O.J. in early July.

### (d) Problems

Task revisions in support of enforcement objectives still need to be finalized before work can resume.



# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

CONTRACT NUMBER 6 8 0 2 3 1 6 8 TO/TO NUMBER 78 - (3) REPORT PERIOD ENDING DATE 0 3 3 1 8 3 TASK START DATE 07/06/82 TASK COMPLETE DATE 05/01/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

- 01 Modifications to the well drilling subcon-
- 02 tract to allow for additional tasks and an ex-
- 03 tended period of performance were received
- 04 during March. The subcontract modification to
- 05 allow for additional borehole drilling was
- 06 completed. Coordination with the State of
- 07 Minnesota, EPA and USGS began to standardize
- 08 boring logs in preparation for constructing
- 09 cross-sections. Computer program software for
- 10 generating cross-sections was finalized.
- 11
- 12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(DEGREE WILL APPEAR AS 200FF)
- (2) THE PLUS OR MINUS SIGN  
(+ WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 106)  
(H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + - = \$ \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS  
EPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Arthur Engelman	
Contractor name <u>GCA CORPORATION</u>		Manager, Contract Administration	
Estimated contract cost <u>\$86,850</u>		Contractor project manager name <u>                    </u>	
EPA project officer <u>M. Kosakowski</u>		Signature <u>                    </u> Date <u>4/11/83</u>	
M W D D Y Y			
6 8 0 2 3 1 6 8	9 0 7 8	12 0 4 0 3 8 3	18 C 13
CONTRACT NUMBER		TASK ID NO	
		End of reporting period	

Performance data <sup>a</sup>									
(1) Work breakdown structure		Cumulative cost to date (\$1000's)					Cost at completion (\$1000's)		
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No.	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest revised estimate	9. Variance
	WA No. 78	92.7	74.9	74.9	(17.8)	0	86.9	86.9	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 0 9 2 . 7	0 0 0 7 4 . 9	0 0 0 7 4 . 9	0 0 0 1 7 . 8	0 0 0 0 . 0	0 0 0 8 6 . 9	0 0 0 8 6 . 9	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

# COST PERFORMANCE REPORT - MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78 (3)

March 1983

Location 213 Burlington Road, Bedford, MA 01730

Contract No

Task TD No

Reporting period

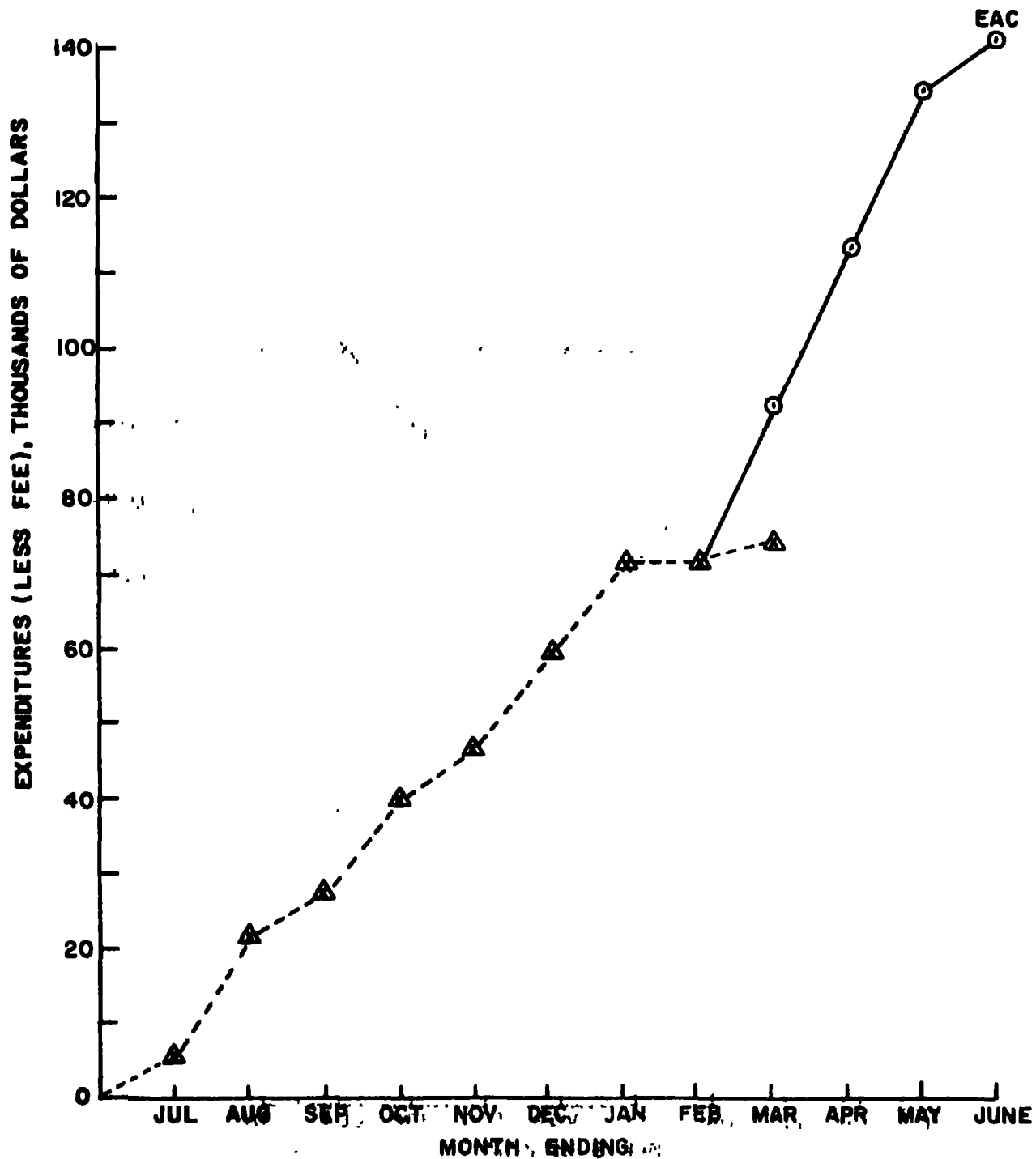
(1) Reporting category <sup>a</sup>		Actual current period  3/83	Actual end of current period (CIJM)	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month	month	month	month	month	month						
No	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	54	1187	240	240	283									1,950
	Total	54	1187	240	240	283									1,950

<sup>a</sup> To be specified by IERL RTP project officer e.g., WBS element, task or TD, functional areas

EPA (RTP) 402

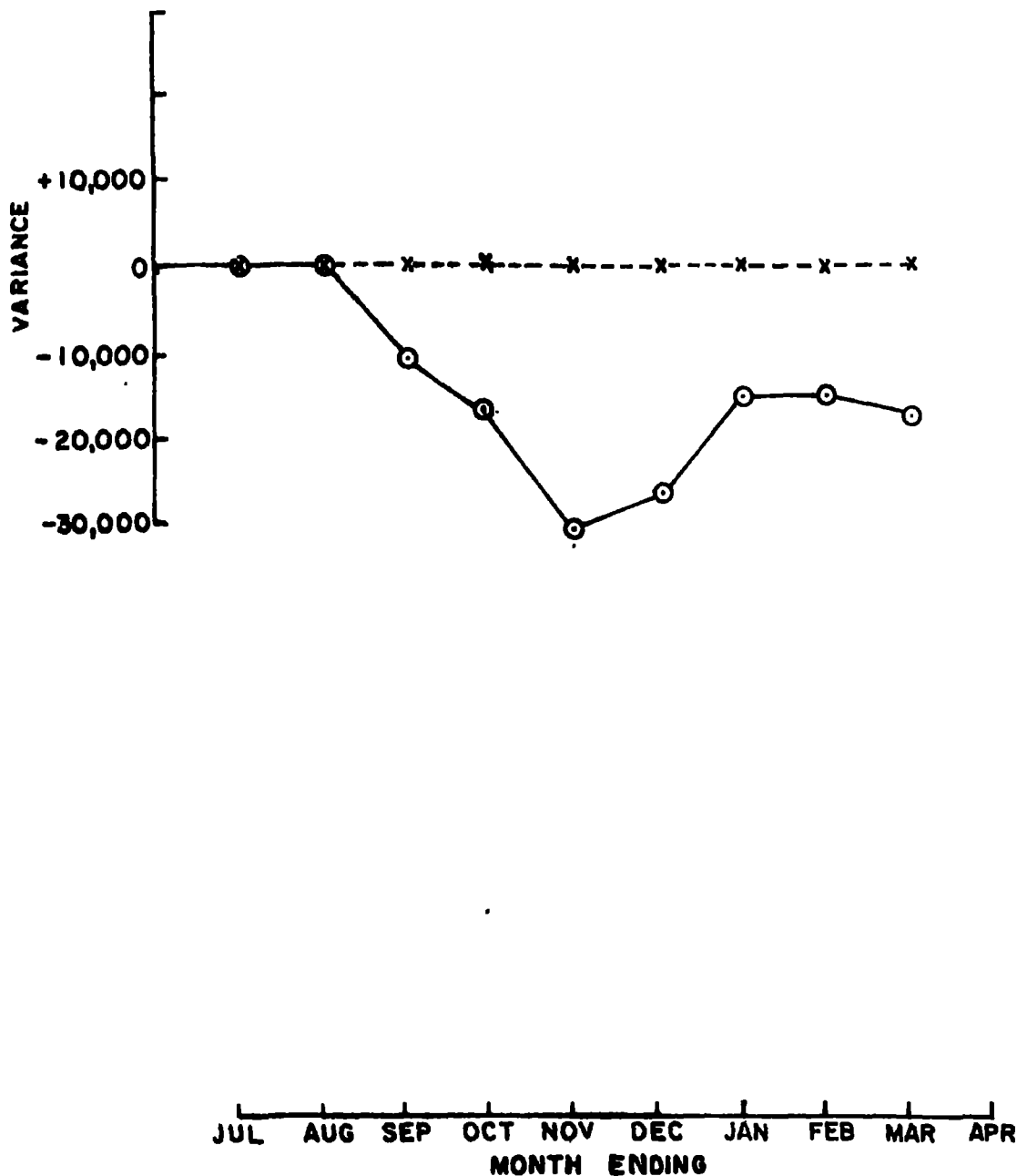
**CUMULATIVE PERFORMANCE**  
**CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3**  
**WORK ASSIGNMENT NO. 78**  
**(GCA 619-078) REVISED 3/16/83**

○—○ BCWS  
 △---△ ACWP  
 X---X BCWP



PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
x--x COST VARIANCE



## MARCH

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

Pending authorization from the EPA Project Officer, GCA was to authorize its subcontractor, Braun Engineering, to assemble approximately 60 borehole logs in the vicinity of Highway 7 south of the site, get permission from their clients to copy the logs, and transmit them to the MPCA. Mike Hansel of the MPCA and Marc Hult of USGS were to "standardize" these logs and transmit them to GCA. GCA was to have prepared a computer program specifically for constructing cross sections of these logs plus the 70 original logs that were put in MLMIS data base.

#### (b) Work Accomplished/Results Achieved

Authorization to proceed with the modified work plan was received during March. The drilling subcontractor, Braun Engineering Testing Co. collected 215 borehole logs and submitted them to the Minnesota Pollution Control Agency on March 15, 1983. MPCA and the USGS made arrangements to "standardize" these borehole logs. A 1:1000 scale location map for the borings and wells installed to date was supplied to EPA, MPCA and USGS and well elevations and survey data were transmitted as back-up. Wells 140 and 144 were resurveyed using existing wells as bench marks at the request of USGS.

#### (c) Objectives for the Next Reporting Period

In preparation for resuming the field program in late April or early May, GCA will coordinate closely with MPCA, USEPA and USGS to get well logs standardized and cross sections run on the computer. A project review meeting may be held in Minneapolis before the end of April.

#### (d) Problems

No problems were encountered during the reporting period other than lack of authorization to proceed.



GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

20 May 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

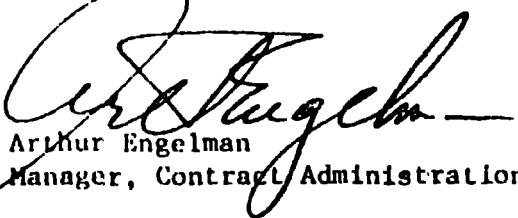
Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of April 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:ela

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/1 copy)

Paul Bitter  
(w/2 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730  
EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730  
EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

CONTRACT NUMBER 6, 8, 0, 2, 3, 1, 6, 8 TO/TO NUMBER 78 - (3) REPORT PERIOD ENDING DATE 0, 4, 3, 0, 8, 3 TASK START DATE 07/06/82 TASK COMPLETE DATE 06/30/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

## PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

- 01 EPA Project Officer responsibilities were
- 02 transferred to Paul Bitter, Region V. A
- 03 coordination meeting was held in Washington.
- 04 Information for a special status report was
- 05 gathered. Lack of standardized well logs
- 06 continues to hold up progress on this Work
- 07 Assignment.
- 08
- 09
- 10
- 11
- 12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

## A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°P WILL APPEAR AS 3000P.)
- (2) THE PLUS-OR-MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 100)  
(10<sup>-3</sup> WILL APPEAR AS 10304)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:

> < % + - \* / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS  
EPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐



GCA/TECHNOLOGY DIVISION  
 Contractor name GCA CORPORATION Estimated contract cost \$141,531  
 EPA project officer M. Kosakowski excluding fee.  
 Arthur Engelman  
 Manager, Contract Administration  
 Contractor project manager name title  
 Signature [Signature] Date 5/9/83  
 CONTRACT NUMBER 68023168 TASK ID NO 9078 End of reporting period 12050183 18 C13

(1) Work breakdown structure		Performance data <sup>a</sup>					Cost at completion (\$1000's)		
		Cumulative cost to date (\$1000's)			Variance		(7) Budgeted	(8) Latest revised estimate	(9) Variance
		Budgeted costs		(4) Actual costs of work performed (ACWP)	(5) Schedule	(6) Cost			
No.	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)	(4) Actual costs of work performed (ACWP)	(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest revised estimate	(9) Variance
	WA No. 78	113.6	80.6	80.6	(33.0)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 1 3 . 6	0 0 0 8 0 . 6	0 0 0 8 0 . 6	0 0 3 3 . 0	0 0 0 0 . 0	0 0 1 4 1 . 5	0 0 1 4 1 . 5	0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33	34 35 36 37 38 39 40 41	42 43 44 45 46 47 48 49 50 51	52 53 54 55 56 57 58 59 60 61	62 63 64 65 66 67 68 69 70 71	72 73 74 75 76 77 78 79		

<sup>a</sup>All costs are exclusive of tax

## COST PERFORMANCE REPORT – MANPOWER (PR-3)

**GCA/TECHNOLOGY DIVISION**

Contractor name: GCA CORPORATION

68-02-3168

78 (3)

**April 1983**

Location: 213 Burlington Road, Bedford, MA 01730

**Contract No.**

Task/TD No.

Reporting period

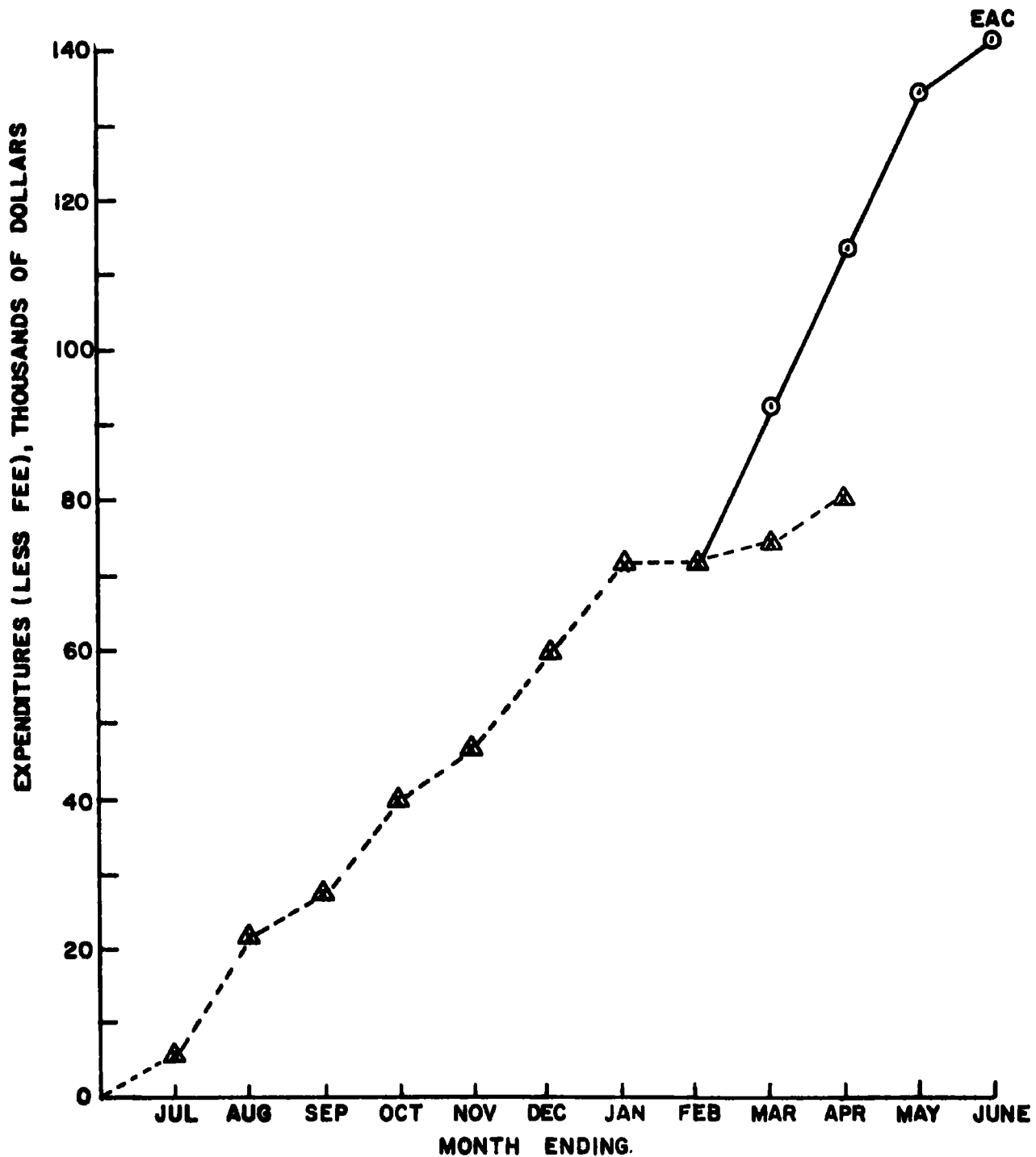
[illegible]

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.

EPA (RTP) 402

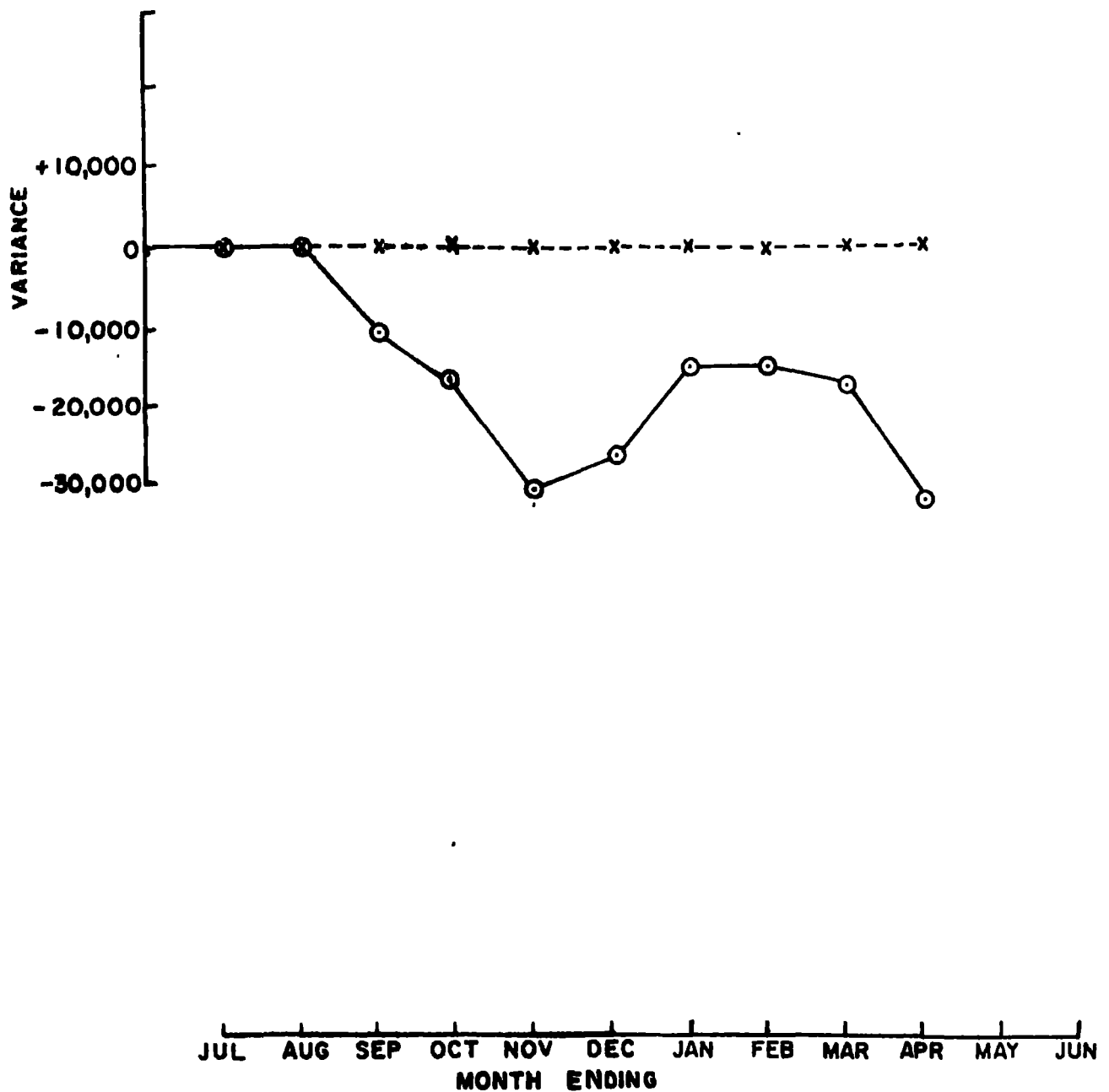
CUMULATIVE PERFORMANCE  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO. 78  
(GCA 1-619-078) REVISED 3/16/83

○—○ BCWS  
△---△ ACWP  
X---X BCWP



PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
X--X COST VARIANCE



## APRIL

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

In preparation for resuming the field program in late April or early May, GCA was to coordinate closely with MPCA, USEPA and USGS to get well logs standardized and cross sections run on the computer. A project review meeting was to be held in Minneapolis before the end of April.

#### (b) Work Accomplished/Results Achieved

On April 5, 1983 the assignment of the EPA project officer on this project was transferred for Michael W. Kosakoski, Activity Branch Chief, Office of Solid Waste and Emergency Response to Paul Bitter, Remedial Response Section, EPA Region V. On April 22, 1983 a coordination meeting was held in Washington, D.C. (between R. Wilder (GCA), Paul Bitter (EPA, Region V) and Mike Kosakoski (HQ)) to discuss the progress of this project. As a result of that meeting, GCA was requested to prepare an interim status report with available deliverables in draft form and recommendations for improving analytical extraction procedures.

#### (c) Objectives for the Next Reporting Period

GCA will assemble a status report with current available deliverables prepared in draft final form. We intend to work with the project officer to modify the contract to reflect work scope changes and to get well logs standardized so that cross-sections can be prepared and well locations selected.

#### (d) Problems

GCA was unable to get back into the field to complete the installation of borings due to lack of standardized borehole logs upon which to run geologic cross-sections.



**GCA CORPORATION  
Technology Division**

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

8 April 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of February 1983.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:ela

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/3 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1 6 8 0 2 3 1 6 8 2 7 8 - (3) 12 M M D D Y Y 18 D  
CONTRACT NUMBER TO/TO NUMBER REPORT PERIOD ENDING DATE TASK START DATE 07/06/82  
TASK COMPLETE DATE 05/01/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

01 Modifications to the well drilling subcon-  
02 tract to allow for additional tasks and an ex-  
03 tended period of performance were requested  
04 during February.  
05  
06  
07  
08  
09  
10  
11  
12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING  
(1) THE DEGREE SYMBOL  
[300°F WILL APPEAR AS 3000°F]  
(2) THE PLUS-MINUS SIGN  
[A WILL APPEAR AS +]  
(3) GREEK SYMBOLS  
[KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED]  
(4) SCIENTIFIC NOTATION  
[10<sup>6</sup> WILL APPEAR AS 100]  
[H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04]

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + - = & \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS: \_\_\_\_\_  
EPA(RTP) 387

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐  
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐  
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

<b>GCA/TECHNOLOGY DIVISION</b>		<b>Arthur Engelman</b>	
Contractor name <b>GCA CORPORATION</b>		Estimated contract cost: <b>\$86,850</b>	
EPA project officer: <b>M. Kosakowski</b>		Manager Contract Administration <i>Arthur Engelman</i> Signature	
		Contractor project manager name: <b>File</b>	
		Date: <b>3/14/83</b>	

6 8 0 2 3 1 6 8	9 0 7 8	12 0 2 2 7 8 3	18 C 13
CONTRACT NUMBER	TASK ID NO	End of reporting period	

Performance data <sup>a</sup>									
(1) Work breakdown structure		(2) Cumulative cost to date (\$1000's)					(3) Cost at completion (\$1000's)		
		(4) Budgeted costs		(4) Actual costs of work performed (ACWP)	(5) Variance		(7) Budgeted	(8) Latest rev. sed estimate	(9) Var. ance
No.	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost			
	WA No. 78	86.9	71.8	71.8	(15.1)	0	86.9	86.9	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 0 8 6 . 9	0 0 0 7 1 . 8	0 0 0 7 1 . 8	0 0 1 5 . 1	0 0 0 0 . 0	0 0 0 0 8 6 . 9	0 0 0 8 6 . 9	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee



# COST PERFORMANCE REPORT - MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name GCA CORPORATION

68-02-3168

78 (3)

February 1983

Location 213 Burlington Road, Bedford, MA 01730

Contract No

Task TD No

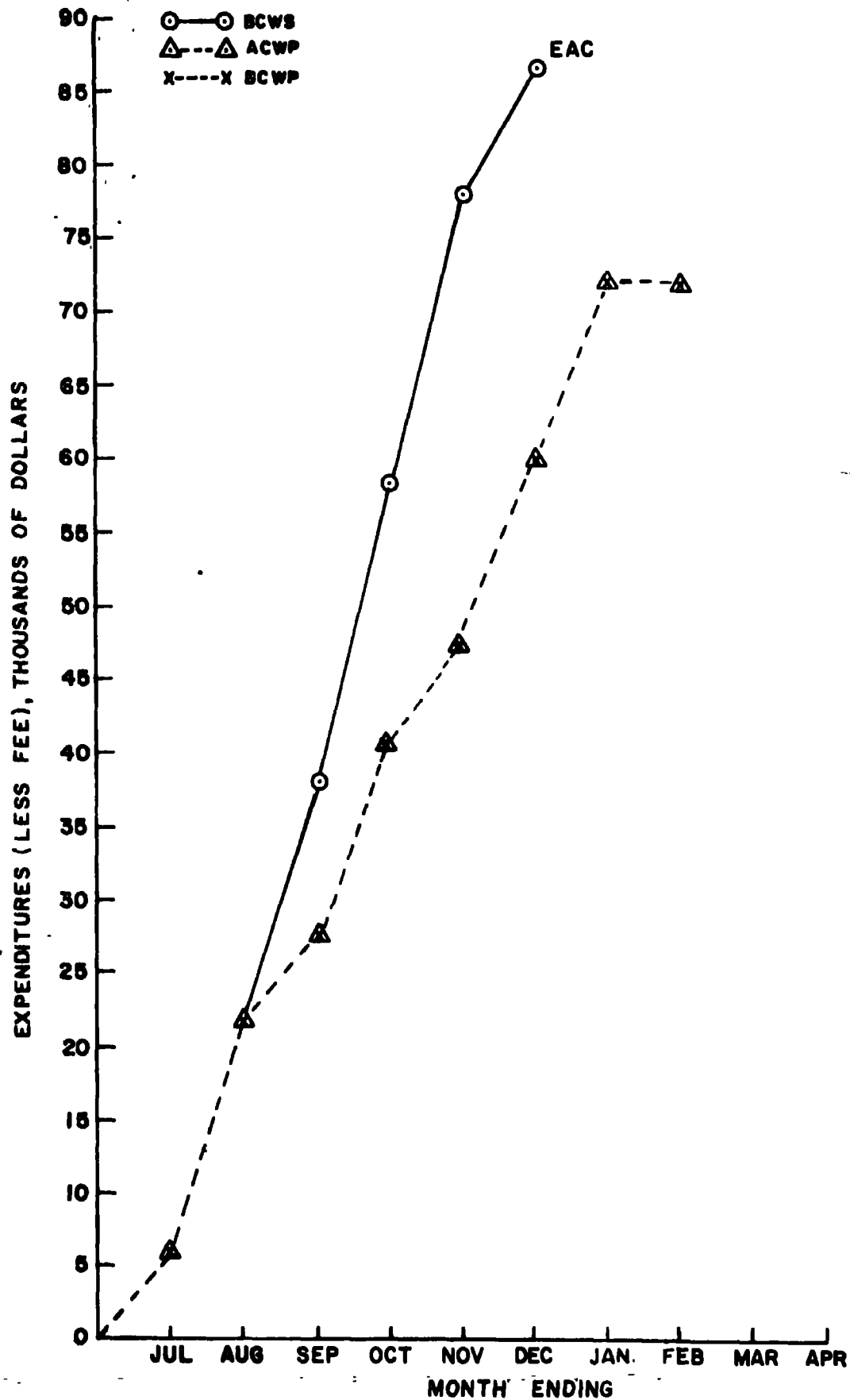
Reporting period

(1) Reporting category <sup>a</sup>		Actual current period  2/83	Actual end of current period (CIJM)  3/83	Forecast (non-cumulative)						Enter specified periods					Forecast at completion
				Six-month forecast by month											
				month	month	month	month	month	month						
No.	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	-	1133	117											1,250
	Total	-	1133	117											1,250

<sup>a</sup> To be specified by IERL/RTP project officer e.g., WBS element, task or TD, functional areas

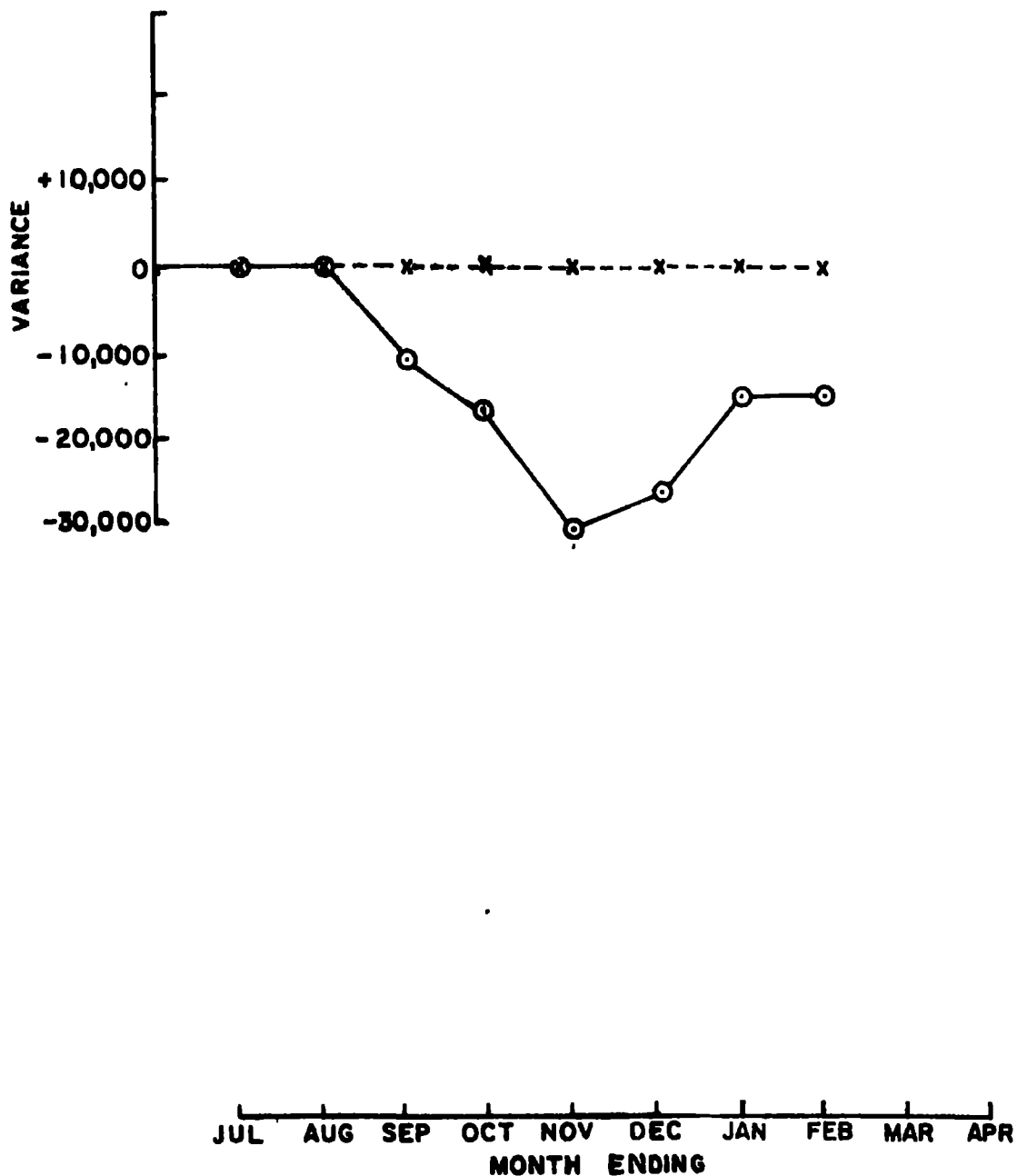
EPA (RTP) 402

CUMULATIVE PERFORMANCE  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO. 78  
(GCA 1-619-078)



PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
x--x COST VARIANCE



## FEBRUARY

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

Pending authorization from the EPA Project Officer, GCA was to authorize its subcontractor, Braun Engineering, to assemble approximately 60 borehole logs in the vicinity of Highway 7 south of the site, get permission from their clients to copy the logs, and transmit them to the MPCA. Mike Hansel of the MPCA and Marc Hult of USGS were to "standardize" these logs and transmit them to GCA. GCA was to have prepared a computer program specifically for constructing cross sections of these logs plus the 70 original logs that were put in MLMIS data base.

#### (b) Work Accomplished/Results Achieved

GCA has prepared the computer program for constructing cross-sections from the borehole logs. However, authorization to proceed with this new task has not yet been received from the contracting office. Therefore, Braun Engineering has not yet been requested to assemble the borehole data.

#### (c) Objectives for the Next Reporting Period

As soon as authorization to proceed is received from the contract office, the work in (a) above will commence.

#### (d) Problems

No problems were encountered during the reporting period other than lack of authorization to proceed.



GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

8 March 1983

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaus (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of January 1983.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Arthur Engelman".

Arthur Engelman  
Manager, Contract Administration

AE:cia

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/3 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA

COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

CONTRACT NUMBER 6 8 0 2 3 1 6 8 TO/TO NUMBER 78 - (3) REPORT PERIOD ENDING DATE 0 4 3 0 8 3 TASK START DATE 07/06/82 TASK COMPLETE DATE 06/30/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

### PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT.)

- 01 EPA Project Officer responsibilities were
- 02 transferred to Paul Bitter, Region V. A
- 03 coordination meeting was held in Washington.
- 04 Information for a special status report was
- 05 gathered. Lack of standardized well logs
- 06 continues to hold up progress on this Work
- 07 Assignment.
- 08
- 09
- 10
- 11
- 12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°F WILL APPEAR AS 300FF.)
- (2) THE PLUS OR MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 1001  
1H200 WILL APPEAR AS H7504)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + - = \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS  
EPA(RTP) 387

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Arthur Engelman	
Contractor name <u>GCA CORPORATION</u>		Manager, Contract Administration	
EPA project officer <u>M. Kosakowski</u>		Contractor project manager name <u>                    </u>	
Estimated contract cost <u>\$141,531</u>		Signature <u>                    </u>	
excluding fee.		Date <u>5/9/83</u>	
M T W T F S S		M T W T F S S	
6 8 0 2 3 1 6 8		12 0 5 0 1 8 3	
CONTRACT NUMBER		TASK ID NO	
9 0 7 8		18 C 13	
End of reporting period			

Performance data <sup>a</sup>									
(1) Work breakdown structure		Cumulative cost to date (\$1000's)				Cost at completion (\$1000's)			
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No.	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest rev sed estimate	9, Variance
	WA No. 78	113.6	80.6	80.6	(33.0)	0	141.5	141.5	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 1 1 3 . 6	0 0 0 8 0 . 6	0 0 0 8 0 . 6	0 0 3 3 . 0	0 0 0 0 . 0	0 0 0 1 4 1 . 5	0 0 1 4 1 . 5	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

# COST PERFORMANCE REPORT – MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name: GCA CORPORATION

68-02-3168

78 (3)

April 1983

Location: 213 Burlington Road, Bedford, MA 01730

Contract No.

Task/TD No.

Reporting period

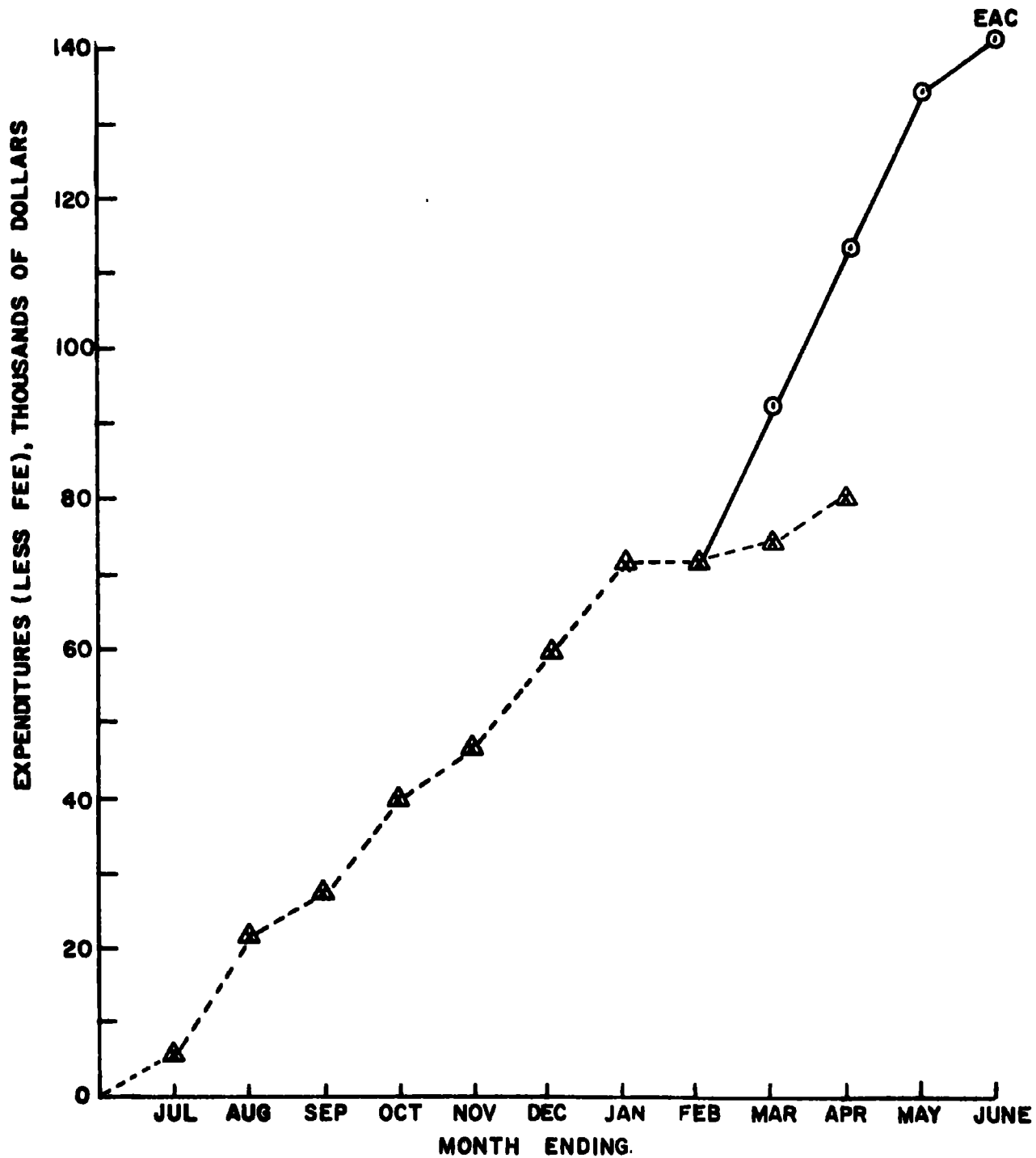
(1) Reporting category <sup>a</sup>		Actual current period  4/83	Actual end of current period (CUM)  5/83	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month 5/83	month 6/83	month	month	month	month						
No.	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	88	1275	340	335										1,950
	Total	88	1275	340	335										1,950

<sup>a</sup> To be specified by IERL/RTP project officer: e.g., WBS element, task or TD, functional areas.



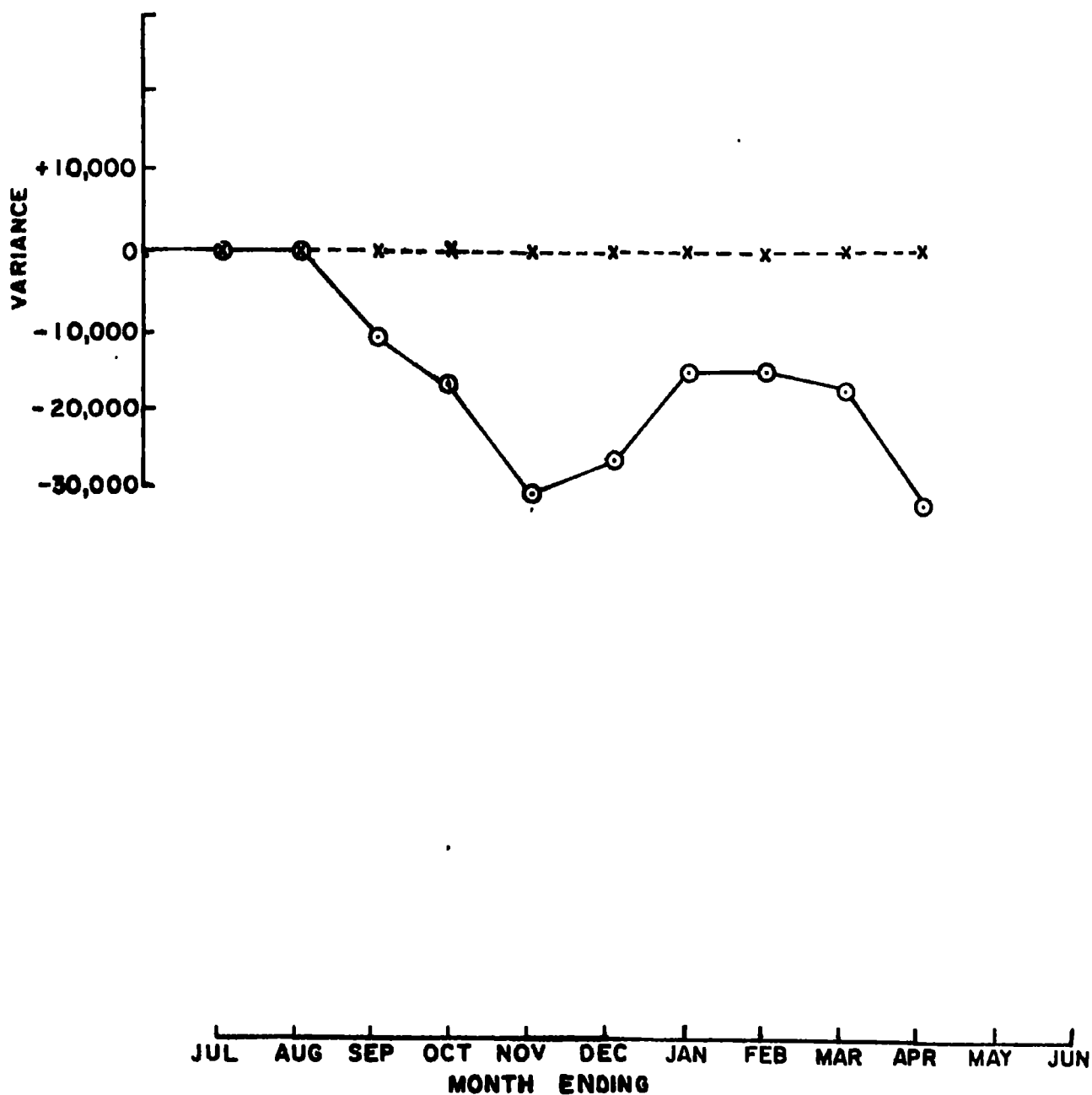
CUMULATIVE PERFORMANCE  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO. 78  
(GCA 1-619-078) REVISED 3/16/83

○—○ BCWS  
△---△ ACWP  
X---X BCWP



PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
x--x COST VARIANCE



## APRIL

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

In preparation for resuming the field program in late April or early May, GCA was to coordinate closely with MPCA, USEPA and USGS to get well logs standardized and cross sections run on the computer. A project review meeting was to be held in Minneapolis before the end of April.

#### (b) Work Accomplished/Results Achieved

On April 5, 1983 the assignment of the EPA project officer on this project was transferred for Michael W. Kosakoski, Activity Branch Chief, Office of Solid Waste and Emergency Response to Paul Bitter, Remedial Response Section, EPA Region V. On April 22, 1983 a coordination meeting was held in Washington, D.C. (between R. Wilder (GCA), Paul Bitter (EPA, Region V) and Mike Kosakoski (HQ)) to discuss the progress of this project. As a result of that meeting, GCA was requested to prepare an interim status report with available deliverables in draft form and recommendations for improving analytical extraction procedures.

#### (c) Objectives for the Next Reporting Period

GCA will assemble a status report with current available deliverables prepared in draft final form. We intend to work with the project officer to modify the contract to reflect work scope changes and to get well logs standardized so that cross-sections can be prepared and well locations selected.

#### (d) Problems

GCA was unable to get back into the field to complete the installation of borings due to lack of standardized borehole logs upon which to run geologic cross-sections.



GCA CORPORATION  
Technology Division

213 Burlington Road  
Bedford, Massachusetts 01730  
Telephone 617-275-5444  
Telex 92-3339

28 December 1982

Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Attention: Ms. Julie Klaas (WH 527F)  
Office of Waste Programs Enforcement

Subject: Contract No. 68-02-3168, Work Assignment No. 78  
(GCA 1-619-078)

Gentlemen:

In accordance with the reporting requirements of the subject Contract, enclosed herewith are three (3) copies of the Monthly Progress Report prepared hereunder covering the month of November 1982.

Very truly yours,



Arthur Engelman  
Manager, Contract Administration

AE:eia

Enclosures (3)

cc: Malcolm Huneycutt  
(w/1 copy)

Alice Gagnon  
(w/1 copy)

✓ Mike Kosakowski (WH 527F)  
(w/3 copies)

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaus

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Alice Gagnon

1	6	8	0	2	3	1	6	8	CONTRACT NUMBER
9	7	8	-	(3)	TO/TO NUMBER				
12	M	M	D	D	Y	Y	18	D	TASK START DATE <u>07/06/82</u>
1	1	1	3	0	8	2	TASK COMPLETE DATE <u>01/31/83</u>		

CUMULATIVE MANHOURS EXPENDED TO DATE	CURRENT TARGET	ESTIMATE AT COMPLETION	VARIANCE AT COMPLETION
---	----------------	---------------------------	---------------------------

### PROGRESS DESCRIPTION ABSTRACT:

19 (KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

- 01 Six (6) borings were installed with four
- 02 (4) piezometers installed. One-hundred and
- 03 thirteen (113) split spoon samples and twelve
- 04 (12) thin wall samples were taken. Selected
- 05 samples were shipped to GCA for analysis. All
- 06 thin wall samples were transmitted to Braun
- 07 Engineering for physical testing. Field work
- 08 was suspended November 19 to allow analysis of
- 09 existing boring logs to locate additional
- 10 borings.
- 11
- 12

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

### A NOTE TO THE AUTHOR:

MANY COMMONLY-USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(DEGREE WILL APPEAR AS 2000°)
- (2) THE PLUS-OR-MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 100)  
(H<sub>2</sub>SO<sub>4</sub> WILL APPEAR AS H2S04)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + - = \$ \* / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY - IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH CHIEF INITIALS \_\_\_\_\_  
FPA(RTP) 397

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Arthur Engelman	
Contractor name	GCA CORPORATION	Estimated contract cost <sup>a</sup>	\$86,850
EPA project officer		Manager Contract Administration	
M. Kosakowski		Contractor project manager name title	
		Signature	
		Date	
12/10/82			

6 8 0 2 3 1 6 8	9 0 7 8	12 1 1 2 8 8 2	18 C 13
CONTRACT NUMBER	TASK ID NO	End of reporting period	

Performance data <sup>a</sup>									
1 Work breakdown structure		Cumulative cost to date (\$1000 s)					Cost at completion (\$1000 s)		
		Budgeted costs		14 Actual costs of work performed (ACWP)	Variance				
No	Name	12 Work Scheduled (BCWS)	13 Work performed (BCWP)	14 Actual costs of work performed (ACWP)	15 Schedule	16 Cost	17 Budgeted	18 Latest revised estimate	19 Variance
	WA No. 78	78.0	47.1	47.1	(30.9)	0	86.9	86.9	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 0 7 8 . 0	0 0 0 4 7 . 1	0 0 0 4 7 . 1	0 0 3 0 . 9	0 0 0 0 . 0	0 0 8 6 . 9	0 0 8 6 . 9	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

## COST PERFORMANCE REPORT – MANPOWER (PR-3)

**GCA/TECHNOLOGY DIVISION**

Contractor name: GCA CORPORATION

**68-02-3168**

**79(3)**

November 1982

Location 213 Burlington Road, Bedford, MA 01730

Contract No

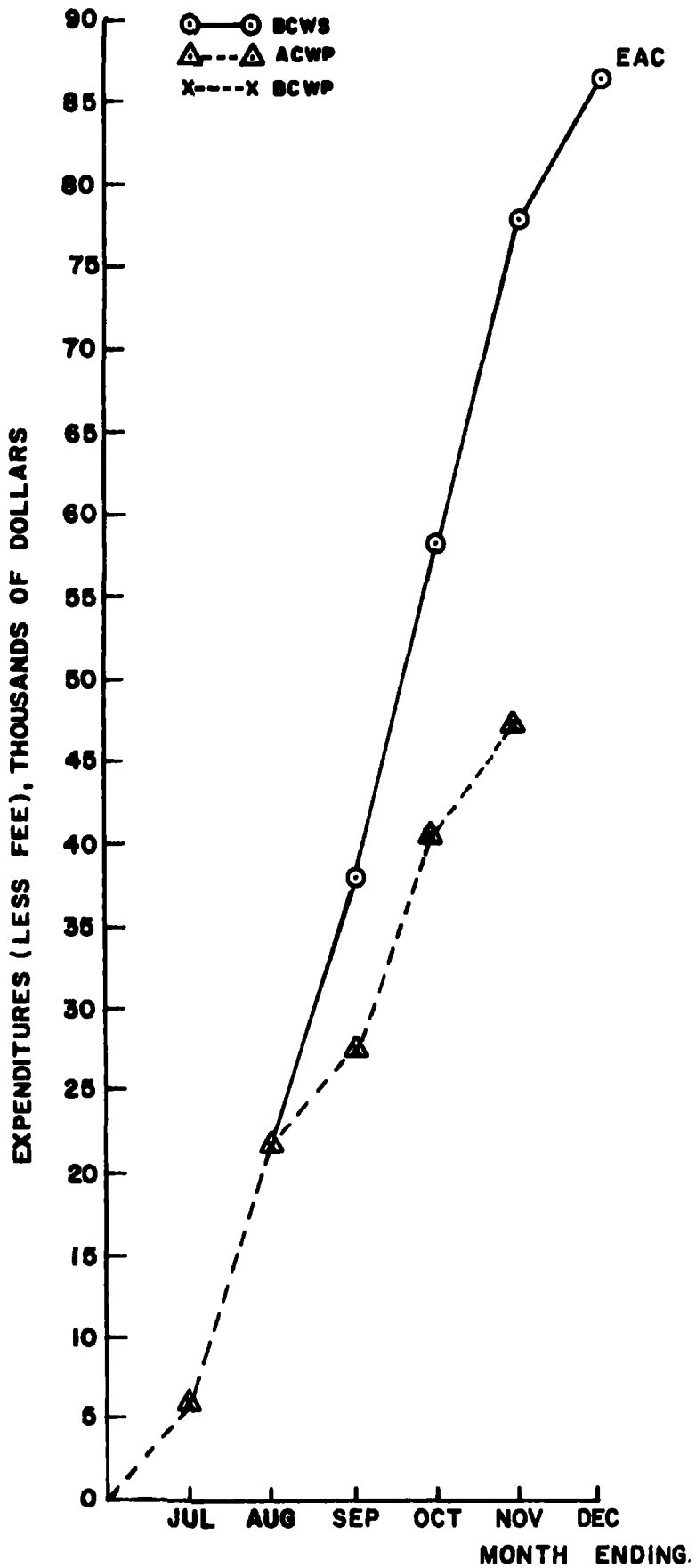
Task TD No

Reporting period

[illegible]

<sup>a</sup> To be specified by IERL/RTP project officer, e.g., WBS element, task or TD, functional areas.

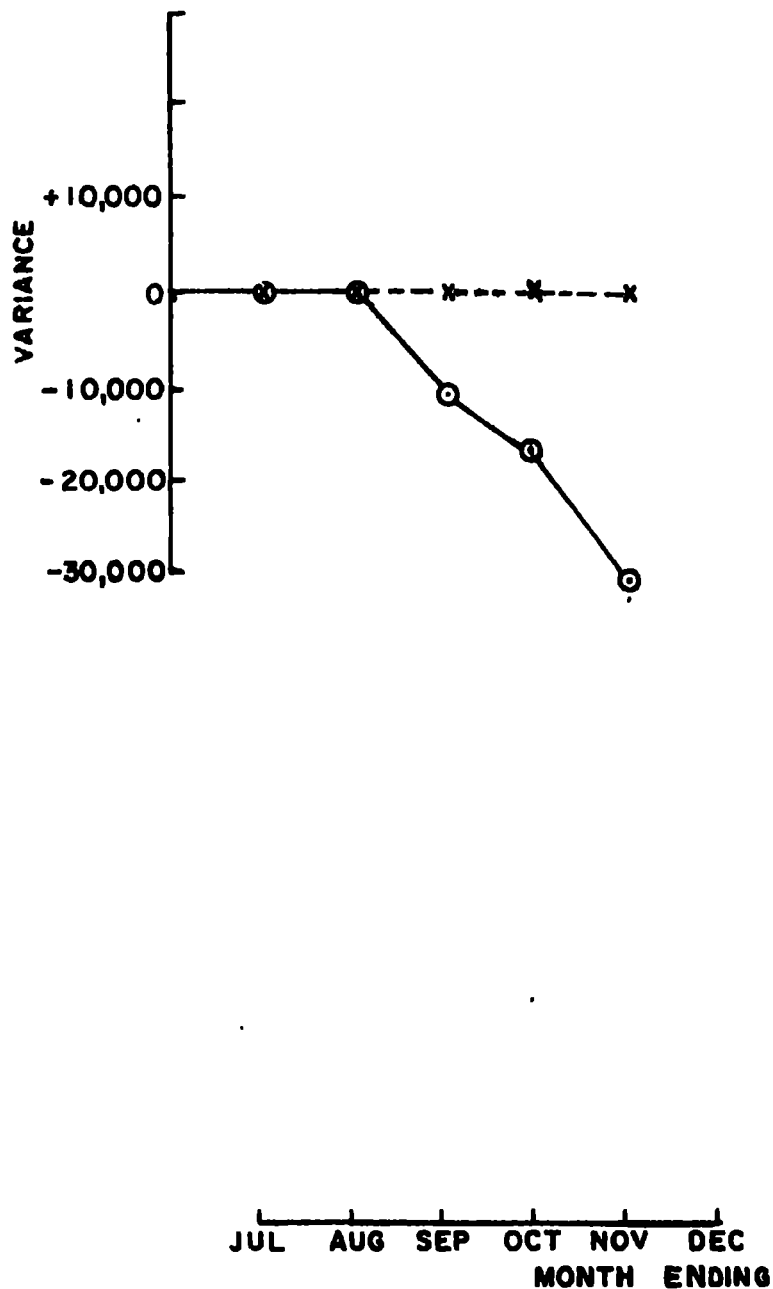
CUMULATIVE PERFORMANCE  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO. 78  
(GCA 1-619-078)





PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
X--X COST VARIANCE



## NOVEMBER

### 5.0 DISCUSSION OF TECHNICAL PROGRESS

#### (a) Technical Objectives for This Reporting Period

Field work was to continue throughout the reporting period with the objective of installing 10 more borings during the month. The remaining nine boring locations were to be located by the MPCA by November 15.

#### (b) Work Accomplished/Results Achieved

Six (6) borings were completed with piezometers installed in four (4) of them. Samples taken in these borings have been shipped to Braun and GCA laboratories for physical and chemical analysis respectively. Table 1 (attached) summarizes field activities including number and type of samples taken.

The Minnesota Land Management Information System (MLMIS) agency transferred nine (9) draft cross-sections of the site to GCA that were generated on their computer graphics system. These cross sections, if completed, were to be used to locate the remaining nine boring locations in the vicinity of Highway 7 south of the site.

Field operations were suspended at the direction of the EPA Project Officer on November 19 in order to analyze existing boring log data and identify the remaining borehole locations. It is expected that field operations will resume by March 15, 1983 after new borehole locations have been determined and the worst of the winter weather is over.

#### (c) Objectives for the Next Reporting Period

Pending authorization from the EPA Project Officer, GCA will authorize its subcontractor, Braun Engineering, to assemble approximately 60 borehole logs in the vicinity of Highway 7 south of the site, get permission from their clients to copy the logs, and transmit them to the MPCA. Mike Hansel of the MPCA and Marc Hult of USGS will "standardize" these logs and transmit them to GCA. GCA will have prepared a computer program specifically for constructing cross sections of these logs plus the 70 original logs that were put in the MLMIS data base.

**SUMMARY OF BORINGS AND PIEZOMETER INSTALLATION BY GCA CORPORATION/TECHNOLOGY DIVISION -  
REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA**

No.	Designation		Location	Type	Date completed	Piezometer	Perforated interval depth below L.S.	Total depth below L.S.	Depth to bedrock below L.S.	Drilling method	Sample type	No. of samples	Distance into bedrock	Depth over 60 ft	Comments
	Elevation of L.S. (MSL)														
1	908.88	(ST1 (old)) PB130	36th St & Minnehaha Creek	Clean Background Location	10/25/82	Yes	89.3' to 92.3'	93.5'	87.5'	Drive and wash	SS <sup>a</sup> ST <sup>b</sup>	21 0	6'	33.5'	Screen in bedrock
2	909.14	PB137	36th St & Minnehaha Creek, 40' E of PB130	Clean Background Location	10/28/82	Yes	82.3' to 85.3'	86.5'	85.0'	Drive and wash	SS ST	2 6	1.5'	26.5'	Cleared utilities
3	907.46	PB138	34th St & Xylon/Wyoming (next to water tower)	Clean Background Location	11/2/82	Yes	63.5' to 66.5'	78.5'	77.8'	Drive and wash	SS ST	17 2	1.3'	18.5'	Cleared utilities
4	893.07	PB139	Dead end of Quebec at 31 St	Reilly Tar Site Solid Ground	11/4/82	Yes	59.0' to 62.0'	67.5'	63.5'	Drive and wash	SS ST	16 1	4'	7.5'	Cleared utilities
5	893.60	PB140	Louisiana Av. next to W23	Reilly Tar Site Solid Ground	11/10/82	Yes	65.7' to 68.7'	71.0'	~70.0'	Drive and wash	SS ST	17 1	1'	10'	Cleared utilities
6	890.11	PB142	Walker Av. & Louisiana Av. Ext.	Reilly Tar Site Solid Ground	11/12/82	No	-	64'	63.7'	Augered	SS ST	14 1	-	4'	Cleared utilities
7	914.00	PB141	On Highway 7 overpass west of Louisiana Av. exit	Reilly Tar Site Solid Ground	11/15/82	No	-	65'	-	Augered	SS ST	13 0	-	5'	Roadway signs special materials
8	895.47	PB144	Filled Swamp S of Highway 7 164' W of W13	Reilly Tar Site Solid Ground	11/19/82	Yes	44.3' to 47.3'	59'	51' (?)	Drive and wash	SS ST	13 1	8'	-	Cleared utilities

<sup>a</sup>Split Spoon Sampler.

<sup>b</sup>Thin wall Shelby Tube Sampler.

(d) Problems

Principal problems during the reporting period were:

1. Drilling was suspended on November 19, 1982 by the EPA Project Officer because new borehole locations had not been determined yet.

GCA has been requested but not formally authorized to conduct the task described in (c) above.

2. Drilling has been slower than expected due to:
  - a. Extra footage - the depth to bedrock has been more than 60 feet (up to 93.5 feet in one location).
  - b. Mud Preparation - Drilling time estimates were made from prior experience at Reilly Tar. However, previous drilling programs did not require as much mud preparation time as this program.

Therefore, additional time per hole is being factored into the estimates for drilling when work resumes next March to allow for extra footage and mud preparation.

# MONTHLY TASK REPORT (TR-1)

FOR PROJECTS SUPPORTED BY  
INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY  
OFFICE OF RESEARCH & DEVELOPMENT/ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

TO/TO TITLE SOIL SAMPLING AND TESTING AT THE REILLY TAR SITE, ST. LOUIS PARK, MINNESOTA  
COMPANY, DIVISION GCA CORPORATION, GCA/TECHNOLOGY DIVISION

## CONTRACTOR'S TASK LEADER (FOR THIS TO/TO)

NAME Russell Wilder  
TITLE Sr. Staff Scientist PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA TASK OFFICER  
(FOR THIS TO/TO) Julie Klaas

## CONTRACTOR'S PROJECT MANAGER (FOR OVERALL CONTRACT)

NAME Thomas G. Hopper  
TITLE Mgr., Env. Eng. Dept. PHONE 275-5444  
ADDRESS 213 Burlington Road  
Bedford, MA ZIP CODE 01730

EPA PROJECT OFFICER  
(FOR OVERALL CONTRACT) Ms. Alice C. Gagnon

1 

6	8	0	2	3	1	6	8
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 CONTRACT NUMBER  
2 

7	8	-	(3)
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 TO/TO NUMBER  
12 M M D D Y Y 

0	1	3	1	8	3
---	---	---	---	---	---

 REPORT PERIOD ENDING DATE  
18 

D
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 TASK START DATE 07/06/82  
TASK COMPLETE DATE 05/01/83

CUMULATIVE MANHOURS  
EXPENDED TO DATE

CURRENT TARGET

ESTIMATE AT  
COMPLETION

VARIANCE  
AT COMPLETION

## PROGRESS DESCRIPTION ABSTRACT:

(KEYPUNCHED AND PRINTED IN THE IERL/RTP MONTHLY STATUS REPORT)

01 Modifications to the well drilling subcon-  
02 tract to allow for additional tasks and an ex-  
03 tended period of performance were requested  
04 during January.  
05 \_\_\_\_\_  
06 \_\_\_\_\_  
07 \_\_\_\_\_  
08 \_\_\_\_\_  
09 \_\_\_\_\_  
10 \_\_\_\_\_  
11 \_\_\_\_\_  
12 \_\_\_\_\_

MATERIAL WHICH RUNS OVER THE 12-LINE LIMIT WILL BE TRUNCATED

## A NOTE TO THE AUTHOR:

MANY COMMONLY-USED SCIENTIFIC  
SYMBOLS ARE NOT AVAILABLE TO  
THE KEYPUNCHER, SO PLEASE  
AVOID USING THE FOLLOWING

- (1) THE DEGREE SYMBOL  
(300°F. WILL APPEAR AS 300DF.)
- (2) THE PLUS-OR-MINUS SIGN  
(± WILL APPEAR AS +)
- (3) GREEK SYMBOLS  
(KEYPUNCHER WILL LEAVE  
BLANKS WHEN GREEK SYMBOLS  
ARE ENCOUNTERED)
- (4) SCIENTIFIC NOTATION  
(10<sup>6</sup> WILL APPEAR AS 106)  
(H<sub>2</sub>O<sub>2</sub> WILL APPEAR AS H2O4)

THE FOLLOWING SYMBOLS CAN  
BE KEYPUNCHED:  
> < % + - \* \$ / @ # &

THIS FORM IS USED FOR INFORMATION TRANSFER ONLY. IT IS NOT INTENDED TO REPLACE  
THE COMPREHENSIVE PROGRESS DESCRIPTION REQUIRED BY THE EPA PROJECT OFFICER

FOR USE BY IERL/RTP  
BRANCH: RIEF  
INITIAL: \_\_\_\_\_  
IP (H.P.) 197

1. INCLUDE AS MAJOR ITEM IN IERL/RTP MONTHLY REPORT. YES ☐ NO ☐
2. PROJECT REQUIRES TOP MANAGEMENT ATTENTION. YES ☐ NO ☐
3. SEE COMMENTS ON BACK FOR LABORATORY MANAGEMENT. YES ☐ NO ☐

# COST/SCHEDULE STATUS REPORT (PR-2)

GCA/TECHNOLOGY DIVISION		Arthur Engelman	
Contractor name <u>GCA CORPORATION</u>		Manager, Contract Administration	
EPA project officer <u>M. Kosakowski</u>		Contractor project manager name <u>Arthur Engelman</u>	
Estimated contract cost <u>\$86,850</u>		Date <u>2/10/83</u>	
excluding fee.		Signature <u>Arthur Engelman</u>	

6 8 0 2 3 1 6 8 CONTRACT NUMBER	9 0 7 8 TASK TO NO	12 0 1 3 0 8 3 End of reporting period	18 C 13
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Performance data <sup>a</sup>									
(1) Work breakdown structure		Cumulative cost to date (\$1000's)				Cost at completion (\$1000's)			
		Budgeted costs		(4) Actual costs of work performed (ACWP)	Variance				
No.	Name	(2) Work Scheduled (BCWS)	(3) Work performed (BCWP)		(5) Schedule	(6) Cost	(7) Budgeted	(8) Latest revised estimate	(9) Variance
	WA No. 78	86.9	71.7	71.7	(15.2)	0	86.9	86.9	0
	General and Administrative	0	0	0	0	0	0	0	0
	Management reserve						0		0
9 9 9 9 9	Total (excluding fee)	0 0 0 8 6 . 9	0 0 0 7 1 . 7	0 0 0 7 1 . 7	0 0 1 5 . 2	0 0 0 0 . 0	0 0 0 8 6 . 9	0 0 0 8 6 . 9	0 0 0 0 . 0
22 23 24 25 26		27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79							

<sup>a</sup>All costs are exclusive of fee

# COST PERFORMANCE REPORT – MANPOWER (PR-3)

GCA/TECHNOLOGY DIVISION

Contractor name: GCA CORPORATION

68-02-3168

78 (3)

January 1983

Location: 213 Burlington Road, Bedford, MA 01730

Contract No

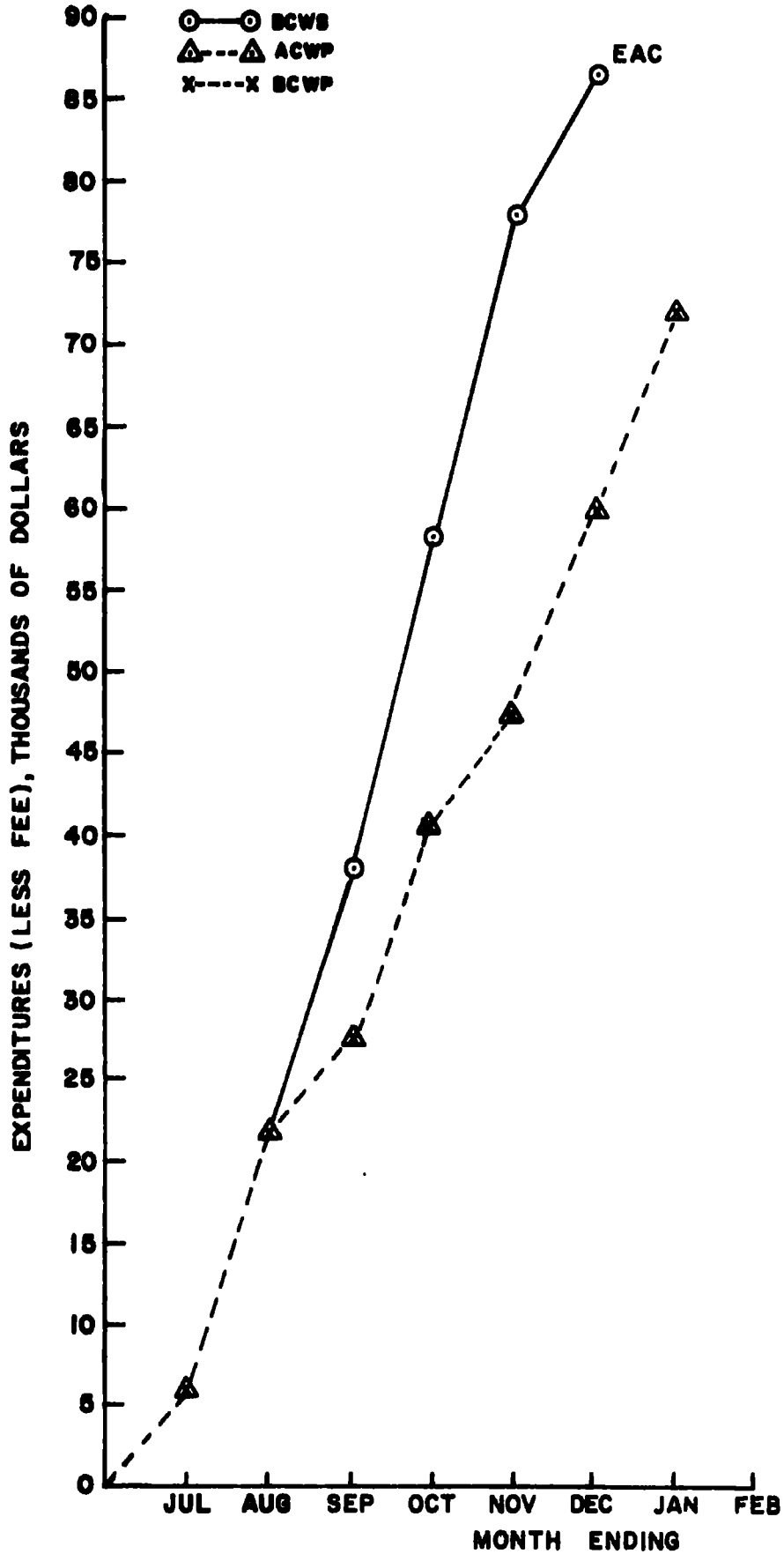
Task TD No

Reporting period

(1) Reporting category <sup>a</sup>		Actual current period  1/83	Actual end of current period (CIJM)  2/83	Forecast (non-cumulative)											Forecast at completion
				Six-month forecast by month						Enter specified periods					
				month	month	month	month	month	month						
No.	Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	WA No. 78	1	1133	117											1,250
	Total	1	1133	117											1,250

<sup>a</sup> To be specified by IERL/RTP project officer: e.g., WBS element, task or TD, functional areas

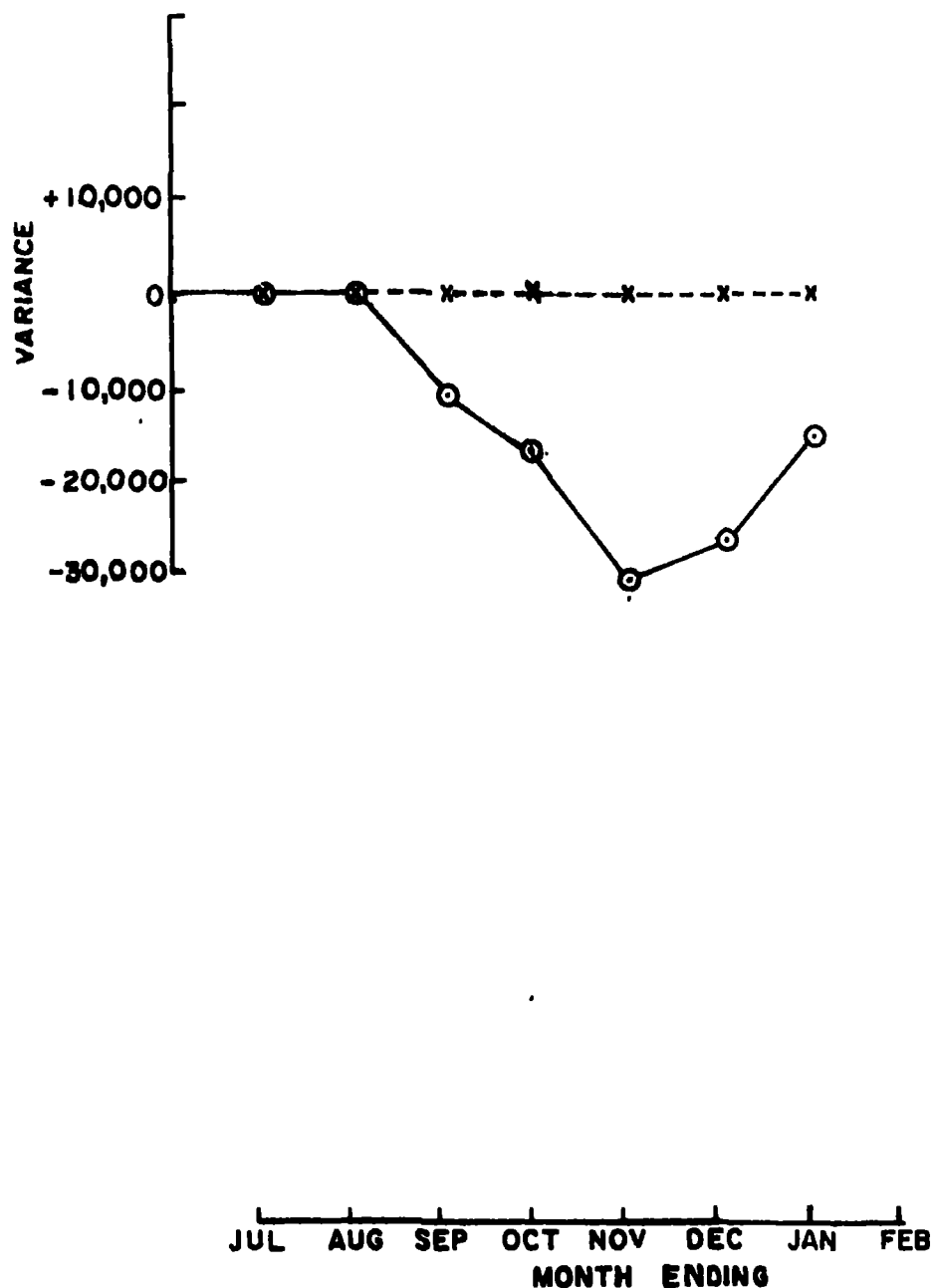
CUMULATIVE PERFORMANCE  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO. 78  
( GCA 1-619-078 )





PERFORMANCE TRENDS  
CONTRACT NO. 68-02-3168, TECHNICAL SERVICE AREA 3  
WORK ASSIGNMENT NO.78  
(GCA 1-619-078)

○—○ SCHEDULE VARIANCE  
X---X COST VARIANCE



JANUARY

## 5.0 DISCUSSION OF TECHNICAL PROGRESS

### (a) Technical Objectives for This Reporting Period

Pending authorization from the EPA Project Officer, GCA was to authorize its subcontractor, Braun Engineering, to assemble approximately 60 borehole logs in the vicinity of Highway 7 south of the site, get permission from their clients to copy the logs, and transmit them to the MPCA. Mike Hansel of the MPCA and Marc Hult of USGS were to "standardize" these logs and transmit them to GCA. GCA was to have prepared a computer program specifically for constructing cross sections of these logs plus the 70 original logs that were put in MLMIS data base.

### (b) Work Accomplished/Results Achieved

GCA has prepared the computer program for constructing cross-sections from the borehole logs. However, authorization to proceed with this new task has not yet been received from the contracting office. Therefore, Braun Engineering has not yet been requested to assemble the borehole data.

### (c) Objectives for the Next Reporting Period

As soon as authorization to proceed is received from the contract office, the work in (a) above will commence.

### (d) Problems

No problems were encountered during the reporting period other than lack of authorization to proceed.